APPENDIX E, vol. 1 of 2, to supplement

POTENTIAL ENVIRONMENTAL HAZARDS ON INACTIVE / ABANDONED MINE LANDS,

CORONADO NATIONAL FOREST, SOUTHEAST ARIZONA

APPENDIX E is the documentation for derivation of EH values and HH values



CHIRICAHUA, DRAGOON, GALIURO, HUACHUCA, PATAGONIA (CANELO HILLS), PELONCILLO, PINALENO, SANTA CATALINA-RINCON in this volume.

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF MINES

OCTOBER 1993

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

CHIRICAHUA-PEDREGOSA

<u>Name</u>	EH no.	HH no.	Priority Catagory	page
1. Hilltop Mine	40.3	53.8	Α	E3
Unnamed adit and decline	18.7	18.7	В	E 5
3. Eureka lower adit	17.3	46.7		£ 7
4. Silver Prince Mine	17.3	46.7		E9
5. Unnamed adit complex	17.3	36.3		EII
6. El Tigre Mine	17.3	36.0		E13
7. Silver Hill Mine	17.3	25.9		E 15
8. Clair Group Mines	14.4	23.0		E17
9. Unnamed workings	10.4	28.0		E19
10. Blacksmith West	10.4	28.0		E21
11. Unnamed adits	10.4	28.0		E 23
12. Unnamed shaft and prospects	10.4	28.0		E 25
13. Grace Mine	10.4	25.5		E27
14. Unnamed prospect	10.4	24.9		E29
15. Unnamed adit	10.4	15.6		E31
16. Unnamed adit and decline	10.4	15.6		E33
17. Unnamed adit	10.4	15.6		E35
18. Unnamed adit and shaft	10.4	12.1		£3 7
19. Columbia Mine	.3	25.9		E39
20. Black Queen Mine	8.7	24.9		E41
21. Unnamed adits	8.7	19.4		F43
22. Rieder Tunnel	8.7	13.8		E45
CE. Model Familia	J.,	, 0.0		• , 🔾

CHIRICAHUA-PEDREGOSA MOUNTAINS--Continued

<u>Name</u>	EH no.	HH no.	Priority Catagory	page
23. Unnamed shaft, decline	8.6	25.9	В	E47
24. Lead Lily shaft	8.6	13.8		E 49
25. Unnamed shaft	7.2	17.3		E51
26. Unnamed prospect	3.5	6.2	С	E 53
27. Unnamed decline and sha	aft 3.5	5.8		E5s
28. Chiricahua Mine	3.1	4.3		E57
29. Unnamed prospects	1.7	9.3		E59

40.3

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiri Cahna - Pedre gosa:
Primary Name: Hillton Mine
Alternate Name: Kasper Tunnel! Rhem, Grey, Blacksmith Tunnels
MASDB MILS Table Sequence number: 0040030736
Date of Report: 7-27-93 Sample number(s): CH 28-32
LOCATION DATA
State: AZ County: Cochise Township: 165 Range: 30 E Section: 32,33
Latitude: N315907 Longitude: W 1091721 Elevation (ft): 6 400
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead X Mercury Zinc X Other
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Kineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st) X
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill \(\sum \) Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite X Galena X Marcasite _ Sphalerite X
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 4 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed X Partly Concealed _
Collapsed Partly Collapsed \(\times \) Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other

SIZE OF FEATURE (ft)

Length __ x Width __ x Height __ About 20,000 Tons or Dump at Main Kasper Dump May be 8,000 tons or dump at Grey Dump

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_	Д	

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🔀 Lake Bay
Other
Is water present at the feature? $(y/n) \nearrow$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing $_$ Filled $_$ Partly Filled $reve{ imes}$ Flowing $reve{ imes}$ Intermittent $_$
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color white
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building $_$ Outside Building $_$ No Building, Other Location $ imes$
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins X Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{y}{y}$
If present, give type and location
ACCESS
Access is by:
Maintained Road \(\lambda \) 4WD Road to < 1/2 mi of site

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) \bigvee

OTHER

Are any of th	e following	other features	present	?:
Drums or Tank	s Headf	rames Tramw	ays I	Bags Scrap Metal \underline{X}
Trestles	Wooden Stru	ctures Over	head Cabl	les Powerlines
Power Substat	ions Tr	ansformers	Chemicals	3 Other
		HAZARD CAI	CULATION	s
Environmental	. Hazard (EH	:):		
2 B = S 1.2C = T 1.4D = S 2 E = M 1 F = A	or noted in soted. Status (Table type (Table tize (Table tilling Methodid potentializing	analyses. Use E=2). E=3). E=4). od (Table E=5). al: If any ind	the highe icator mi not prese	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazard	(EE):			
. 2 B = S 1.2 C = T 1.4 D = S 2 E = M 1 F = A	Status (Table Type (Table Size (Table Willing Methaccess (Tabl	E-3). E-4). od (Table E-5).		
		PRIO	RITY	
	vironmental			nge. The FS is presently under al ranking will, therefore, be
	ту А: :у В:	EH > 20 EH between 7 an	d 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categor	y C:	EH < 7		These sites may not need to be examined.

The category for this site is A.

 $^{{}^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chinicalus - Pedregosa
Primary Name: Unneved Adit, decline
_
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 7-28-93 Sample number(s): CH 60-64
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 30E Section: 4
Latitude: N3/5836 Longitude: W109/653 Elevation (ft): 6,460
7.5' or 15' Quadrangle Map Name: Rustler Park scale: 7.5
Mining or Mineral District: Californ, 9
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 📈 Copper Lead 🗶 Mercury 📈 Zinc 🗶 Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\stackrel{\textstyle imes}{}$ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

V U

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP _ Cyanidation _ Stamp _ Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit X Decline X Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WATER

\ /
Are bodies of water found on or near the site? (y/n) $ extstyle $
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) \overline{V}
Is water being produced from the feature? (y/n) $\frac{V}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{\textstyle u}{\sim}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\mathcal{N}}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X_
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n)
There is a manifacion < 1/2 ml from the site ()/"/

	OTHER	
Are any of the followi	ng other features prese	nt?:
Drums or Tanks Hea	dframes Tramways	Bags Scrap Metal
Trestles Wooden St	ructures Overhead C	ables Powerlines
Power Substations	Transformers Chemic	als Other
	HAZARD CALCULAT	IONS
Environmental Hazard ((EH):	
or noted in noted. 1.2 B = Status (Table / 2.2 F = Milling Me 1.2 F =	in analyses. Use the history to history to the history to the history to the history to the hist	al column) produced historically ghest number for commodities minerals were checked AND resent, F = 1.2; otherwise F = 1.0
Human Hazard (HH):		
/2B = Status (Tabl) /2C = Type (Tabl) //2D = Size (Tabl) //E = Milling Me //SF = Access (Tabl)	le E-3). le E-4). ethod (Table E-5).	
	PRIORITY	
Sites will be rathe gun on environment by EH as follows:	anked for each mountain al hazards only. Numer	range. The FS is presently under rical ranking will, therefore, be
Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

17.3 7.1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit:
Primary Name: Blumberg Canyon Adi't
Alternate Name: Eureka Lower Adit
MASDB MILS Table Sequence number: 0040030004
Date of Report: 7-27-93 Sample number(s): CH 5-10
LOCATION DATA
State: At County: Coclise Township: 165 Range: 32 & Section: 32
Latitude: N 3/59 42 Longitude: V/09 17 37 Elevation (ft): 6 350
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: 7.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer K Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of, Operation:
Surface _ Underground \(\sum \) Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit / Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n) \nearrow
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WATER

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \mbox{\em }}{\square}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{N}{}$
Is water being produced from the feature? (y/n) $\stackrel{\textstyle {\cal N}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it7:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \underline{N}
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \checkmark
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

and printed

Are any of the following other features present?:				
Drums or Ta	Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles	Trestles Wooden Structures Overhead Gables Powerlines			
Power Subst	ations T	ransformers _	Chemicals	Other
		HAZARD C	ALCULATION	s
Environment	al Hazard (E	E):		
2 B = 1.2c = 1.2b = 1 F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Us le E-2). E-3). E-4). hod (Table E-5 ial: If any i	e the higher). ndicator make not present	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	Human Hazard (HH):			
9 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). /-2 C = Type (Table E-3). /-2 D = Size (Table E-4). / E = Milling Method (Table E-5). /-8 F = Access (Table 9). HH = A x B x C x D x E x F = 46.7				
HH = A X B X C X D X E X F =				
PRIORITY				
Sites the gun on by EH as fo	environmenta	ked for each m l hazards only	ountain ra	nge. The FS is presently under al ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:		EH < 7		These sites may not need to be examined.

The category for this site is .

 $^{^{1}\!\}underline{within}$ a table, take only the highest value as the total value for that table.

17.3/46.7 7. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena $\widecheck{ imes}$ Marcasite Sphalerite $\widecheck{ imes}$
Pyrite \sum Pyrrhotite $_$ Stibnite $_$ Other sulfide $_$ Limonite \sum
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Fartly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WA	

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \bigvee}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? $(y/n) \nearrow$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing X Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color White
MACHINERY
Is machinery present at the site? (y/n) ✓
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n)

OTHER

Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal				
Trestles Wooden Structures Overhead Cables Powerlines				
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				
Environmental Hazard (EH):				
6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2 B = Status (Table E-2). 1/2.C = Type (Table E-3). 1/2.D = Size (Table E-4). 1/2 = Milling Method (Table E-5). 1/3 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.				
Human Hazard (HE):				
9 A = Commodity (Table E-1, Human column). D B = Status (Table E-2). 1.2C = Type (Table E-3). 1.2D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.6F = Access (Table 9). 1 HH = A × B × C × D × E × F = 46.7				

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B: EH between 7 and 20 These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

Category C: EH < 7

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

17.3 2.1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

2 /
Management Unit: Chiricalna - Pedregosa
Primary Name: Unnamed Adit Complex
Alternate Name:
MASDB MILS Table Sequence number: 0040030055
Date of Report: 7-29-93 Sample number(s): CH 93-122
LOCATION DATA
State: AZ County: CochiSC Township: 175 Range: 30E Section: 13
Latitude: N315713 Longitude: W1091454 Elevation (ft): 6140
7.5' or 15' Quadrangle Map Name: Portal Scale: 7-5
Mining or Mineral District: Califory 19
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead Mercury X zinc X Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig-Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Y Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx 🔀
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height
2 lace of as mostly grown over with vegetation

W			

Are bodies of water found on or near the site? (y/n) μ
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \underline{h}
Is water being produced from the feature? (y/n) $\frac{\mathcal{N}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACBINERY
Is machinery present at the site? $(y/n) \stackrel{\textstyle i}{\!$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Hill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

			OTHER	
Are any of t	he following	other fea	tures present?	:
Drums or Ta	nks Headf	rames	Tramways B	age Scrap Metal
Trestles	Wooden Stru	ctures	Overhead Cabl	es Powerlines
Power Substa	ations Tr	ansformers	Chemicals	Other
		HAZA	RD CALCULATION	s
Environment	al Hazard (EE	():		
.2 B = /.1 D = /E =	or noted in noted. Status (Tabl Type (Table Size (Table Milling Meth Acid potentineutralizing	e E-2). E-3). E-4). od (Table al: If ar	Use the higher E-5). E-5). If indicator minimum indicator minimu	column) produced historically est number for commodities nerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	i (HH):			
2B= /.2C= /.2D= /.E=	Status (Table Type (Table Size (Table Milling Meth Access (Table	Le E-2). E-3). E-4). nod (Table Le 9).	Human column). $E-5).$ $E \times F = 36 \sigma^{3}$	
			PRIORITY	
Sites the gun on by EH as fo	environmenta]	ed for eac L hazards o	ch mountain ran only. Numerica	nge. The FS is presently under al ranking will, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between	n 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is $\overline{\mathcal{B}}$.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

2. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahur - Pedregosa
Primary Name: El Tigre Mine
Alternate Name:
MASDE MILS Table Sequence number: 0040030/32
Date of Report: 7-28-93 Sample number(s): CH 73-75
LOCATION DATA
State: AZ county: Cochise Township: 175 Range: 30 E Section: 21
Latitude: N 3/5606 Longitude: W/09 /706 Elevation (ft): 6,720
7.5' or 15' Quadrangle Map Name: Rustler Park scale:
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground × Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) _ Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $ ot \succeq$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 6 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 2 Quarry Placer Building Hachinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height
render x widen x perdut

WATER

Are bodies of water found on or near the site? (y/n)			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream Lake Bay			
Other			
Is water present at the feature? (γ/n) h			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n) $\stackrel{h}{\smile}$			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
Amaigamation Equipment Arrastre Ole Bins Tunks Out			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n) $\frac{1}{2}$			
If present, give type and location			
ACCESS			
Access is by: Maintained Road X 4WD Road to < 1/2 mi of site			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n)			

OTHER

Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Hetal				
Trestles Wooden Structures Overhead Cables Powerlines				
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				

Environmental Hazard (EH):

- & A = Commodity (Table E-1, Environmental column) produced historically
 or noted in analyses. Use the highest number for commodities noted.
- ⊃_ B = Status (Table E-2).
- 1.2 C = Type (Table E-3).
- 1.2p = Size (Table E-4).
- | E = Milling Method (Table E-5).
 | F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

 $^{1}EH = A \times B \times C \times D \times E \times F = \frac{17.3}{}$

Human Hazard (HH):

- 7.A = Commodity (Table E-1).

 2.B = Status (Table E-2).

 1.C = Type (Table E-3). Commodity (Table E-1, Human column).
- ID = Size (Table E-4).
- /E = Milling Method (Table E-5). 2F = Access (Table 9).

'HH = A x B x C x D x E x F = 36,0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: EH between 7 and 20 Category B:

These are priority sites.
These sites should be examined in order of rank after

Category C:

category A is dealt with. These sites may not need to be examined.

The category for this site is $\overline{\mathcal{L}}$.

¹Within a table, take only the highest value as the total value for that table.

17.3/25.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua Pedregosa			
Primary Name: Silver Hill Mine			
Alternate Name:			
MASDB MILS Table Sequence number: 00400302//			
Date of Report: 7-30-93 Sample number(s): CH 163-176			
LOCATION DATA			
State: AZ county: Coclise Township: 175 Range: 30E Section: 24			
Latitude: N31564/ Longitude: W109/323 Elevation (ft): 5,440			
7.5' or 15' Quadrangle Map Name: Portal Scale: 7.5			
Mining or Mineral District: <u>Califorhiq</u>			
HISTORICAL DATA			
Please mark with an X all that apply.			
Elements produced and/or noted in geochemical analyses:			
Arsenic Cadmium Copper Lead X Mercury X Zinc Other			
Status of Operation:			
Past Producer K Explored Prospect _ Raw Prospect _ Developed Prospect _			
Status Unknown			
Type of Operation:			
Surface Underground X Surface and Underground Mineral Location			
Placer Prospect Dredging Processing Plant Well Unknown			
No Data			
Size based on production of ore to date:			
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)			
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)			
Large (over 1,000,000 st)			

HISTORICAL DATA (con't)

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illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena 🖄 Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
ther FeOx
Teutralizing Host Rock:
olomite Limestone 🔀 Marble Micrite Sparite
other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
dit \supseteq Decline $_$ Shaft X Glory Hole $_$ Small Pit or Trench (< 10 ft) $_$
arge Pit (> 10 ft) Quarry Placer Building Machinery
distern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
ther
CONDITION OF SITE AND/OR FEATURE
loes the condition of the feature represent a hazard? (y/n) \(\frac{1}{2} \)
fark all conditions that apply:
pen to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Instable Wall Eroded Partly Eroded Intact Subsided
Oundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

Length ___ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) $\textstyle \!$				
Please mark with an X all that apply:				
Stream River Pond Intermittent Stream Lake Bay				
Other				
Is water present at the feature? (y/n) \underline{N}				
Is water being produced from the feature? (y/n) $\textstyle \dot{\!$				
If water is present, how does it occur?:				
Standing Filled Partly Filled Flowing Intermittent				
If water is present, what color is it?:				
Brown Green Yellow Yellow/orange Orange Gray/black				
Other color				
MACHINERY				
Is machinery present at the site? (y/n) $\frac{r}{r}$				
Location of Machinery:				
Inside Building Outside Building No Building, Other Location				
Type of Machinery:				
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill				
Amalgamation Equipment Arrastre Ore Bins Tanks Other				
EXPLOSIVES				
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\smile}{\square}$				
If present, give type and location				
ACCESS				
Access is by:				
Maintained Road 4WD Road to < 1/2 mi of site				
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country $\frac{X}{}$				
There is a habitation $< 1/2$ mi from the site (y/n)				

WATER

;		OTE	ŒR	
Are any of t	he followin	g other features	present	?:
Drums or Tan	Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles	Wooden Str	uctures Over	head Cab	les Powerlines
Power Substa	tions T	ransformers	Chemical	B Other
		HAZARD CAI	CULATION	1 5
Environmenta	ıl Hazard (E			
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Z B = Status (Table E-2). // C = Type (Table E-3). // D = Size (Table E-4). // E = Milling Method (Table E-5). // F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 LEH = A x B x C x D x E x F = //2 3				
Human Hazard	l (EE):			
<pre>7 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). 1/2 C = Type (Table E-3). 1/2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1 F = Access (Table 9).</pre>				
PRIORITY				
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
		EH > 20 EH between 7 and	d 20	These are priority sites. These sites should be examined

in order of rank after category A is dealt with.
These sites may not need to be Category C: EH < 7 examined.

The category for this site is 8.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Chiricahua - Pedregosa
Primary Name: C/gir Group Mines
Alternate Name:
MASDB MILS Table Sequence number: 004003//7
Date of Report: 7-27-93 Sample number(s): MA
LOCATION DATA
State: $\underline{A2}$ County: \underline{Co} Township: $\underline{I55}$ Range: $\underline{29E}$ Section: $\underline{36}$
Latitude: <u>N 32 04 47</u> Longitude: <u>W 109 20 05</u> Elevation (ft): <u>5,600</u>
7.5' or 15' Quadrangle Map Name: Cochise Head scale: 7.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead X Mercury Zinc Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

ロロ

Hilling Method:			
Amalgamation Arrastre Gravity Crusher only Heap Leach			
Leach CIP Cyanidation Stamp Flotation			
Jig Plant Retort No Mill 🔀 Unknown			
Acid Producing or Indicating Minerals:			
Arsenopyrite Chalcopyrite $oldsymbol{ imes}$ Galena $oldsymbol{ imes}$ Marcasite Sphalerite			
Pyrite Pyrrhotite Stibnite Other sulfide Limonite			
Other FeOx			
Neutralizing Host Rock:			
Oolomite Limestone X Marble Micrite Sparite			
Other Carbonate			
Type and number of workings: (indicate with an X or 1, 2, etc.)			
Adit Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft)			
Large Pit (> 10 ft) Quarry Placer Building Machinery			
Cistern Solution Mining Well Mine Dump Mill Tailings			
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence			
Other			
CONDITION OF SITE AND/OR FEATURE			
Does the condition of the feature represent a hazard? (y/n) _			
Mark all conditions that apply:			
** -			
Open to Entry Partly Caved Concealed Partly Concealed Concealed Partly Concealed Concealed Partly Concealed Partly Concealed Concealed Partly Concealed Concealed Partly Concealed Partly Concealed Concealed Partly Concealed Concealed Partly Conc			
Collapsed Partly Collapsed Standing Empty Rotten Cribbing			
Unstable Wall Eroded Partly Eroded Intact Subsided			
Foundation Prone to Wind Erosion Other			
SIZE OF FEATURE (ft)			
Ionath y Width y Maight			

Are bodies of water found on or near the site? (y/n) h
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \underline{h}
Is water being produced from the feature? (y/n) $\frac{N}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) ½
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \underline{h}
If present, give type and location
NORTOG
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country X
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

Are any of	the following	g other fea	tures present	7:	
Drums or Ta	nks Head	frames	Tramways	Bags Scra	p Metal
Trestles	Wooden Str	uctures	Overhead Cab	les Power	lines
Power Subst	ations T	ransformers	Chemical	s Other _	
		HAZAF	RD CALCULATION	4s	
Environment	al Hazard (E	H):			
5 A =			Environmental Use the high		uced historically r commodities
1.2D =		E-3). E-4).	n 5.		
	Acid potent	ial: If an	y indicator m		checked AND otherwise F = 1.0
	$^{1}EH = A \times B$	x C x D x E	$\mathbf{E} \times \mathbf{F} = \underline{14.4}$		
Human Hazar	d (HH):				
1.2C = 1.2D = .1E =	Commodity (Status (Tab Type (Table Size (Table Milling Met Access (Tab	le E-2). E-3). E-4). hod (Table)	Human column) E-5).		
	thh = A x B	x C x D x E	$E \times F = \frac{23.6}{}$		
			PRIORITY		
	environmenta				is presently under ll, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between	7 and 20	These sites in order of	
Categ	ory C:	EH < 7			s dealt with. may not need to be
The categor	y for this s	ite is B			

^{&#}x27;<u>Within</u> a table, take only the highest value as the total value for that table.

10.4/28.0

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahna - Pedragosa
Primary Name: Unnamed Working S
Alternate Name:
MASDE MILS Table Sequence number: 0040030070
Date of Report: 7-30-93 Sample number(s): CH 177-/94
LOCATION DATA
State: AZ county: Cochise Township: 175 Range: 30 & Section: 24
Latitude: <u>W 3/5636</u> Longitude: <u>W /0 9 13 28</u> Elevation (ft): <u>5,770</u> 7.5' or 15' Quadrangle Map Name: <u>Porta/</u> Scale: <u>7.5</u>
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \underline{X} Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena X Marcasite Sphalerite X
yrite $igg igg $ Pyrrhotite $igg _{}$ Stibnite $igg _{}$ Other sulfide $igg _{}$ Limonite $igg igg X$
ther FeOx X
eutralizing Host Rock:
olomite Limestone X Harble Micrite Sparite
ther Carbonate
ype and number of workings: (indicate with an X or 1, 2, etc.)
dit Decline $\frac{2}{2}$ Shaft $\frac{9}{2}$ Glory Hole Small Pit or Trench (< 10 ft) $\frac{5}{2}$
arge Pit (> 10 ft) Quarry Placer Building Machinery
distern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
ther
CONDITION OF SITE AND/OR FEATURE
oes the condition of the feature represent a hazard? (y/n)
ark all conditions that apply:
pen to Entry 🔀 Partly Caved Concealed Partly Concealed
collapsed Partly Collapsed Standing Empty Rotten Cribbing
Instable Wall Eroded Partly Eroded Intact Subsided
Coundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

Length ___ x Width ___ x Height ____

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177
Are bodies of water found on or near the site? (y/n) $\frac{N}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \underline{N}
Is water being produced from the feature? (y/n) $\stackrel{\mbox{\scriptsize M}}{=}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) h
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n)\frac{y}{n}$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site $\frac{\times}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n)

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·	_	44	r,	

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS

Environmental Hazard (EH):

医结婚性畸形 野中 人名爱克

6 A = Commodity (Table E-1, Environmental column) produced historically
or noted in analyses. Use the highest number for commodities noted. /. 2 B = Status (Table E-2).

).2 C = Type (Table E-3). 1.2 D = Size (Table E-4).

| 2 C = 1,FC ...
| 2 D = Size (Table E-4).
| E = Milling Method (Table E-5).
| F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

 1 EH = A x B x C x D x E x F = $\frac{10.4}{}$

Human Hazard (HH):

7 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table B-3).
1.2 D = Size (Table E-4).
1.4 E = Milling Method (Table E-5).

1.8F = Access (Table 9).

HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B: EH between 7 and 20

These are priority sites. These sites should be examined in order of rank after

EH < 7 Category C:

category A is dealt with. These sites may not need to be examined.

The category for this site is B.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

10-4/28.0 7.1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahaa-Padriges 9
Primary Name: Blacksmith west
Alternate Name:
MASDB MILS Table Sequence number: Nose
Date of Report: 7-27-93 Sample number(s): C# 25-26
LOCATION DATA
State: 42 County: Cochise Township: 165 Range: 30 E Section: 33
Latitude: N 31 59 2 Longitude: W 109 17 15 Elevation (ft): 6820
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: 7.5
Mining or Mineral District: Californi 9
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead $times$ Mercury $times$ Zinc $times$ Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit X Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n) X
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

	~	

Are bodies of water found on or near the site? (y/n) $\textstyle \!$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\stackrel{\textstyle \checkmark}{\!$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
Machinery
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \stackrel{\textstyle ightarrow}{=}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \succeq
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

UTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EE):
<pre>G A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /. 2 B = Status (Table E-2). /. 2 C = Type (Table E-3). /. 2 D = Size (Table E-4). / E = Milling Method (Table E-5). / F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre>
Human Hazard (HH):
9 A = Commodity (Table E-1, Human column). 1.2 B = Status (Table E-2). 1.2 C = Type (Table E-3). 1.2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.8 F = Access (Table 9). 1 HH = A x B x C x D x E x F = 28.0
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These are priority sites.

These sites should be examined in order of rank after category A is dealt with.

These sites may not need to be examined.

The category for this site is B.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/28.0

P. 1/4 .

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Padregosa
Primary Name: Unnamed Adits
Alternate Name:
MASDB MILS Table Sequence number: None
Date of Report: 7-27-93 Sample number(s): CH 11-22
LOCATION DATA
State: AZ County: Cochise Township: 165 Range: 305 Section: 32,33
Latitude: N 31 59 35 Longitude: W 109 17 17 Elevation (ft): 6640
7.5' or 15' Quadrangle Map Name: Restler Park Scale: 7.5
Mining or Mineral District: (alifornit
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔀 Zinc Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Calena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? $(y/n) \rightarrow y$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed X Standing Empty Rotten Cribbing
Unstable Wall Z Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

la.
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{y}{y}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
, –
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \underline{h}
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site $ imes$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other Ore Cor_
HAZARD CALCULATIONS
Environmental Hazard (EH):
6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /.2 B = Status (Table E-2). /.2 C = Type (Table E-3). /.2 D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 EH = A x B x C x D x E x F = 10.4
Human Hazard (HH):
9 A = Commodity (Table E-1, Human column). 1.2 B = Status (Table E-2). 1.2 C = Type (Table E-3). 1.2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.8 F = Access (Table 9). 1HH = A x B x C x D x E x F = 28.0
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is _

Category A: Category B:

Category C:

EH between 7 and 20

EH < 7

 $^{{}^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4

Page 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Unnamed Shaft and Prospects
Alternate Name:
MASDE MILS Table Sequence number: 0040030193
Date of Report: 8-3-93 Sample number(s): C/+ 202-205
LOCATION DATA
State: AZ County: Cochise Township: 17.5 Range: 31 E Section: 21
Latitude: N3/5604 Longitude: W/09/105 Elevation (ft): 5,420
7.5' or 15' Quadrangle Map Name: Portal Scale: 7.5
Mining or Mineral District: Califorhia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X zinc X Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown 🔀
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (qver 1,000,000 st)

HISTORICAL DATA (con't)

HISTORICAL DATA (CON C)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP _ Cyanidation Stamp _ Flotation _
Jig Plant Retort No Mill \(\sum Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite _ Galena $ imes$ Marcasite _ Sphalerite $ imes$
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 🗘 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
CITY OF PRAMITY (F4)

x Width ____ x Height

ATER

Are bodies of water found on or near the site? (y/n) $\textstyle \not\!$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{V_1}{V_2}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \frac{N}{2}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \frac{n}{n}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\frac{1}{2}$

OTHER

Are any of the following other features present?: Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other ___

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 1,2 B = Status (Table E-2).

1,2 C = Type (Table E-3). Size (Table E-4).

1.2D = / E =

Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0) F =

EH = AxBxCxDxExF = 10.4

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
1.2 C = Type (Table E-3).
1.2 D = Size (Table E-4).
1 E = Hilling Method (Table E-5).
1.8 F = Access (Table 9).

HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: Category B:

EH between 7 and 20

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be

Category C: EH < 7

The category for this site is $\underline{\mathcal{B}}$.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

10.4

Page 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricalng - Pedreg 05 9
Primary Name: Grace Mike
Alternate Name:
HASDB MILS Table Sequence number: 0040030243/0040030148
Date of Report: $8-3-93$ Sample number(s): CH 208-215
LOCATION DATA
State; A2 County: Cochise Township: 175 Range: 3/E Section: 36
Latitude: N315413 Longitude: W1090739 Elevation (ft): 4870
7.5' or 15' Quadrangle Map Name: Portal Portal Northeast scale: 7-5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic 🔀 Cadmium 🔀 Copper _ Lead _ Mercury 🔀 Zinc _ Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
No baca
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Page	2/	4
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HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing Or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena $lepha$ Marcasite Sphalerite $lepha$
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🗡 Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit \perp Decline Shaft $\frac{4}{}$ Glory Hole Small Pit or Trench (< 10 ft) $\frac{2}{}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall 🔀 Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FRATURE (ft)
Length x Width x Height

These are priority sites.
These sites should be examined

in order of rank after category A is dealt with. These sites may not need to be examined.

WATER			
Are bodies of water found on or near the site? (y/n)			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (Y/n) $\frac{V_1}{}$			
Is water being produced from the feature? (y/n) $\underline{\gamma}$			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
,			
Is machinery present at the site? (y/n) \underline{N}			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (γ/n) $\textstyle $			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road 4WD Road to < 1/2 mi of site			
4WD Road > 1/2 mi from site Trail or undrivable Road 🔀 Cross-country			
There is a habitation $< 1/2$ mi from the site (y/n)			

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
Human Hazard (HH):
<pre>7 A = Commodity (Table E-1, Human column). /.2 B = Status (Table E-2). /.2 C = Type (Table E-3). /.2 D = Size (Table E-4). / E = Milling Method (Table E-5). /.6 F = Access (Table 9). HH = A x B x C x D x E x F = 25.5</pre>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

OTHER

EH > 20 EH between 7 and 20

Category A: Category B:

Category C:

table.

The category for this site is 8

^{&#}x27;Within a table, take only the highest value as the total value for that

10.4/24.9 7.1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Unnamed Prospect
Alternate Name:
MASDB MILS Table Sequence number: 0040030047
Date of Report: 7-28-93 Sample number(s): CH - 76-77
LOCATION DATA
State: AZ County: Cochice Township: 175 Range: 30 E Section: 2/,22
Latitude: N 3/56 30 Longitude: W 109 16 17 Elevation (ft): 200
7.5' or 15' Quadrangle Map Name: Rustler Park scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium $ abla$ Copper $ ot X$ Lead $ abla$ Mercury Zinc $ abla$ Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $ o$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

-
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $rac{\chi}{}$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) X Quarry _ Placer _ Building _ Machinery _
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) $\overline{\mathcal{N}}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{Y}{=}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site $\frac{X}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\frac{h}{}$

WATER

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

1.2 B = Status (Table E-2).

/.2C = Type (Table E-3).
1.2b = Size (Table E-4).

/ E = Milling Method (Table E-5).

1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

 $^{1}EH = A \times B \times C \times D \times E \times F = \frac{10.4}{}$

Human Hazard (HH):

8 A = Commodity (Table E-1, Human column). $1.2 \cdot B = Status$ (Table E-2).

1.2C = Type (Table E-3).

/. 2D = Size (Table E-4).

/ E = Milling Method (Table E-5).

). 8F = Access (Table 9).

'HH = A x B x C x D x E x F = 24.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B:

EH > 20

EH between 7 and 20

These are priority sites. These sites should be examined

Category C: EH < 7

in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$

^{&#}x27;Within a table, take only the highest value as the total value for that table.

10-4/15.0

2. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chirical Pedregosa
Primary Name: Unnamed Adit
Alternate Name:
MASDB HILS Table Sequence number:
Date of Report: 7-28-93 Sample number(s): CH 56-58
LOCATION DATA
State: A2 County: Cochise Township: 165 Range: 30F Section: 34
Latitude: N 3/ 59 25 Longitude: W 109 15 47 Elevation (ft): 5465
7.5' or 15' Quadrangle Map Name: Rustler Park scale: 7.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \underline{X} Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) _ Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Midling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 📈 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite _ Stibnite _ Other sulfide _ Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone × Marble × Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.) Adit X Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed _ Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation _ Prone to Wind Erosion _ Other Black widow Nests
SIZE OF FEATURE (ft)
Length x Width x Height

WATER

Are bodies of water found on or near the site? (y/n) $\frac{N}{N}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \swarrow$
Is water being produced from the feature? (y/n) $\frac{\mathcal{N}}{}$
If water is present, how does it occur?:
Standing K Filled _ Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black X
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{\textstyle \smile}{\!$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\gamma}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country X
There is a habitation < 1/2 mi from the site (y/n) $\frac{\gamma_1}{2}$

		OTHER	
Are any of	the following	g other features present	7:
Drums or Ta	nks Head	frames Tramways	Bags Scrap Metal
Trestles	Wooden Str	uctures Overhead Cal	oles Powerlines
Power Subst	ations T	ransformers Chemical	s Other
		HAZARD CALCULATIO	ns
Environment	al Hazard (E	H):	
1.2 B = 1.2 C = 1.2 D =	or noted in noted. Status (Table Size (Table Milling Met Acid potent	analyses. Use the high le E-2). E-3). E-4). hod (Table E-5). ial: If any indicator i	column) produced historically nest number for commodities minerals were checked AND sent, F = 1.2; otherwise F = 1.0
	'EH = A x B	x C x D x E x F = 10.4	!
Human Hazar	q (mm):		
/, 2 D = /, 2 D =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5).	
		PRIORITY	
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			
Categ Categ	ory A: ory B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7	These sites may not need to be examined.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/15.6

P. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Unnamed Adit decline
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 7-28-93 Sample number(s): CH 33-37
LOCATION DATA
State: A2 County: Cochise Township: 165 Range: 30 E Section: 34
Latitude: N 3/59 20 Longitude: w 109 16 08 Elevation (ft): 5800
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: D. 5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔀 Copper 🔀 Lead 🔀 Mercury 🗴 Zinc 🗶 Other
Status of Operation:
Past Producer $_$ Explored Prospect $\underline{\times}$ Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)
_

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite \(\sum \) Galena \(\sum \) Marcasite Sphalerite
Pyrite $oldsymbol{ imes}$ Pyrrhotite Stibnite Other sulfide Limonite $oldsymbol{ imes}$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🗶 Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit $ imes$ Decline $ imes$ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n) $ wline ilde{\!$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

しゅうか	ŦΡ

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? $(y/n) \frac{N}{}$
Is water being produced from the feature? (y/n) \swarrow
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{{\cal N}}{\underline{\ }}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location Blasting Caps - In Adit
ACCESS
Access is by:
•
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EE):
<pre>% A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.</pre>
/. 2B = Status (Table E-2).
).2C = Type (Table E-3).
1.2D = Size (Table E-4).
E = Milling Method (Table E-5).
IF = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
1 EH = A x B x C x D x E x F = $\frac{10 \cdot 4}{1}$
Human Hazard (HH):
9 A = Commodity (Table E-1, Human column).
1.2 B = Status (Table E-2).
/.2 c = Type (Table E-3).
1.2D = Size (Table E-4).
/ E = Milling Method (Table E-5).
F = Access (Table 9).
1 HH = A x B x C x D x E x F = $\frac{15.6}{6}$
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20
Category B: EH between 7 and 20
Category C: EH < 7

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is $\underline{\mathcal{S}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/15.0

P. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricaling - Pedregosa
Primary Name: Unnamed adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 7-28-93 Sample number(s): C# 52-55
LOCATION DATA
State: AZ county: Cochise Township: 165 Range: 30E Section: 34
Latitude: N 31 59 23 Longitude: W 109 15 51 Elevation (ft): 5800
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) _ Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Hill \(\sum \) Unknown
Acid Producing or Indicating Minerals:
Armenopyrite Chalcopyrite Calena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit X Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing / Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MA ANTANANA
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{N}{N}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country \times
There is a habitation < $1/2$ mi from the site (y/n) h

OTHE

Are any of	the followin	ng other featur	res present	7:	
Drums or Tai	nks Head	lframes Tra	mways	Bags Scrap Metal	•
Trestles	Wooden Str	uctures 0	verhead Cab	les Powerlines	
Power Substa	ations 7	Transformers _	Chemical	B Other	
		HAZARD	CALCULATION	ıs	
Environment	al Hazard (B	CH):			
1.2B = 1.2C = 1.2D = 1 E =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Us ble E-2). a E-3). a E-4). chod (Table E-5 cial: If any i	5). indicator mee not pres	column) produced historest number for commodition of the commodities of the column of the colu	es)
Human Hazaro	d (HH):				
),2C =),2D = E =	Status (Tak Type (Table Size (Table Milling Met Access (Tak	e E-3). e E-4). :hod (Table E-9	5).		
		PF	RIORITY		
	environmenta			nge. The FS is presentl al ranking will, therefo	
		EH > 20		These are priority site	
-	ory B:	EH between 7	and 20	These sites should be e in order of rank after category A is dealt wit These sites may not nee examined.	h.
		D		CAMILIEU.	

The category for this site is B.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/12.1

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Unnamed adit/Shaft
Alternate Name:
MASDE MILS Table Sequence number: 0040030049
Date of Report: 7-28-93 Sample number(s): $(479-83)$
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 30 F Section: 14
Latitude: N 3/56 27 Longitude: W/09/436 Elevation (ft): 6,/20
7.5' or 15' Quadrangle Map Name: For 79/ Scale: 2.5
7.5' or 15' Quadrangle Map Name: Portal Scale: 7.5 Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead Mercury Zinc X Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite \(\sum \) Galena Harcasite Spha\(\sum \) erite \(\sum \)
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit / Decline _ Shaft / Glory Hole _ Small Pit or Trench (< 10 ft) /
Large Pit (> 10 ft) Quarry Placer Building Hachinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WATER

Are bodies of water found on or near the site? (γ/n) $\frac{N}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) 1/2
Is water being produced from the feature? (y/n) h
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{1}{2}$
Location of Machinery:
-
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Plotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle \mbox{\it M}}{}$
If present, give type and location
20000
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{1}{2}$

OTHER

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Are any of the following other features present?:			
Drums or Ta	ınks Head	lframes Tramways	Bags Scrap Metal
Trestles	_ Wooden Str	cuctures Overhead C	ables Powerlines
Power Subst	ations I	fransformers Chemic	alsOther
		HAZARD CALCULAT	ions
Fryironment	al Hazard (E		
Fualtouwenc	.a. hazaru (E).	
	or noted in noted.	n analyses. Use the hi	al column) produced historically ghest number for commodities
/.2 B = /.2 C =	Status (Table	>le E~2). ≥ E~3).	
/, \p =	Size (Table	e E-4).	
/ E = /.2-F =		chod (Table E-5).	minerals were checked AND
<pre>/.2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre>			
	¹ EH = A x B	x C x D x E x F = 10	<u>, 4</u>
Human Hazar	ed (HH):		
≤ A =		(Table E-1, Human colum	nn).
1.2B = Status (Table E-2). 1.2C = Type (Table E-3).			
/.2 D = Size (Table E-4). / E = Milling Method (Table E-5).			
/ E =	Access (Tab	nod (Table E-5).	
		x C x D x E x F = 12	<u>-, </u>
		PRIORITY	
	environmenta		range. The FS is presently under ical ranking will, therefore, be
Cated	pory A:	EH > 20	These are priority sites.
	gory B:	EH between 7 and 20	These sites should be examined in order of rank after category A is dealt with.
Cateo	gory C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

17.3

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahus Pedregosa
Primary Name: Columbia Mine
Alternate Name:
MASDB MILS Table Sequence number: 0040030//9
Date of Report: 7-30-93 Sample number(s): CH 153-160
LOCATION DATA
State: AZ county: Cochise Township: 175 Range: 30 & Section: 13
Latitude: N3/5702 Longitude: W/09/3/2 Elevation (ft): 5,800
7.5' or 15' Quadrangle Map Name: Portal scale: 7.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer K Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
V
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Page 2/4

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Hill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite 🗶 Galena 🕺 Marcasite Sphalerite 🔀
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 3 Decline _ Shaft _ Glory Hole / Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Y Partly Caved Y Concealed _ Partly Concealed _
Collapsed Fartly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

100000

WATER

Are bodies of water found on or near the site? (y/n) $\frac{y}{y}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\textstyle i\!$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
MACHINERI
Is machinery present at the site? (y/n) h
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\square}$
If present, give type and location
It present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site $_$ Trail or undrivable Road $_$ Cross-country \succeq
There is a habitation < $1/2$ mi from the site (y/n) $//$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2 B = Status (Table E-2). 1.2 C = Type (Table E-3). 1.2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1 EH = A x B x C x D x E x F = 1.7.3
Human Hazard (HH):
9 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). 7.2 C = Type (Table E-3). 7.2 D = Size (Table E-4). 8 E = Milling Method (Table E-5). 9 F = Access (Table 9). 1 HH = A x B x C x D x E x F = 25.9
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: Category B: These are priority sites.
These sites should be examined EH between 7 and 20 in order of rank after category A is dealt with. These sites may not need to be Category C: EH < 7 examined.

The category for this site is B.

 $^{{}^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

8.7/24,9

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Black Queen Mine
Alternate Name:
MASDE MILS Table Sequence number: 0040030245
Date of Report: 7-30-93 Sample number(s): CH 195-198
LOCATION DATA
State: A2 County: Cochist Township: 175 Range: 31E Section: 20
Latitude: N 3/5622 Longitude: W/09/137 Elevation (ft): 5,730
7.5' or 15' Quadrangle Map Name: Portal Scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses: Arsenic X Cadmium X Copper X Lead X Mercury Zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground $ imes$ Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

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Illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
eid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite $oldsymbol{ imes}$ Galena $oldsymbol{ imes}$ Marcasite Sphalerite $oldsymbol{ imes}$
yrite X Pyrrhotite Stibnite Other sulfide Limonite
ther FeOx
and an Market and the state of
eutralizing Host Rock:
olomite Limestone X Marble Micrite Sparite
ther Carbonate
ype and number of workings: (indicate with an X or 1, 2, etc.)
dit Decline $\overset{\mathcal{U}}{\underline{}}$ Shaft Glory Hole Small Pit or Trench (< 10 ft)
arge Pit (> 10 ft) Quarry Placer Building Machinery
istern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
ther
CONDITION OF SITE AND/OR FEATURE
oes the condition of the feature represent a hazard? (y/n) $\stackrel{\mathcal{H}}{\underline{\mathcal{H}}}$
ark all conditions that apply:
pen to Entry X Partly Caved Concealed Partly Concealed
ollapsed Partly Collapsed Standing Empty Rotten Cribbing
nstable Wall Eroded Partly Eroded Intact Subsided
oundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

_ x Width ____ x Height _

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Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\frac{y}{y}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{1}{N}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{h}{y}$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site $\frac{X}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site $(v/n) / A$

Page 4/4

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>S A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. // 2 B = Status (Table E-2). // 2 C = Type (Table E-3). // 2 D = Size (Table E-4). // E = Milling Method (Table E-5). // F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.</pre> **EH = A x B x C x D x E x F = 8.7
Human Hazard (HH):
8 A = Commodity (Table E-1, Human column). 1.2 B = Status (Table E-2). 1.2 C = Type (Table E-3). 1.2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.8 F = Access (Table 9). 1 HH = A x B x C x D x E x F = 24.
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 EH between 7 and 20 These are priority sites.
These sites should be examined Category A: Category B: in order of rank after category A is dealt with.
These sites may not need to be Category C: EH < 7 examined.

The category for this site is

^{&#}x27;Within a table, take only the highest value as the total value for that table.

8.7/19.6

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahar - Pedrogosa
Primary Name: Unnamed Adi'ts
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $\frac{7-29-73}{}$ Sample number(s): $\frac{CH}{123}$
LOCATION DATA
State: At County: Cachise Township: 175 Range: 30 E Section: 13
Latitude: N3/5722 Longitude: W/09/454 Elevation (ft): 6/65
7.5' or 15' Quadrangle Map Name: Portal Scale: 2.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead Mercury zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground \succeq Surface and Underground $_$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill \(\sum \) Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Harcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite 🔀
Other FeOx 🔀
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Tongth y Width y Height

WATER

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\!$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{N}{2}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{V}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\underline{\mathcal{V}}$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /-2B = Status (Table E-2). /2 C = Type (Table E-3). /2D = Size (Table E-4). / F = Milling Method (Table E-5).

/ F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1EH = A x B x C x D x E x F = 8.65

Human Hazard (HH):

% A = Commodity (Table E-1, Human column).
/-2B = Status (Table E-2).
/-2C = Type (Table E-3).
/-2D = Size (Table E-4).
/-2B = Milling Method (Table E-5).
/-4F = Access (Table 9). 1 HH = A x B x C x D x E x F = $\frac{\cancel{9}\cancel{4}}{\cancel{4}}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
These sites should be examined Category B: EH between 7 and 20 in order of rank after category A is dealt with. Category C: EH < 7 These sites may not need to be examined.

The category for this site is ______.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

8.7/13.8 7. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Rieder Tunnel
Alternate Name:
MASDB MILS Table Sequence number: 00400303/3
Date of Report: 7-28-93 Sample number(s): CH-38-44
LOCATION DATA
State: AZ county: Cochise Township: 165 Range: 305 Section: 33
Latitude: N 3/5920 Longitude: W/09/558 Elevation (ft): 5640
7.5' or 15' Quadrangle Map Name: Rustier Park Scale: 7.5
Mining or Mineral District: Cali forni9
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 😾 Copper 🔀 Lead 🔀 Mercury Zinc 🔀 Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite $ imes$ Galena $ imes$ Marcasite Sphalerite $ imes$
Pyrite $ imes$ Pyrrhotite $ o$ Stibnite $ o$ Other sulfide $ o$ Limonite $ imes$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🗶 Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit X Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Z Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WATER
Are bodies of water found on or near the site? (y/n) $\stackrel{\mathcal{N}}{=}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \nearrow
Is water being produced from the feature? (y/n) $\stackrel{{\displaystyle u}}{\textstyle {\displaystyle \bigvee}}$
If water is present, how does it occur?:
Standing $ imes$ Filled _ Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black 🔀
Other color
MACHINERY

Is machinery present at the site? (y/n) \(\frac{N}{2} \)

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other _____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) \bigvee If present, give type and location \underbrace{Case} or \underbrace{Dynam} , hear ad, f

ACCESS

Access is by: Maintained Road _ _ 4WD Road to < 1/2 mi of site _ _ 4WD Road > 1/2 mi from site _ _ Trail or undrivable Road _ _ Cross-country $\frac{X}{2}$ There is a habitation < 1/2 mi from the site (y/n) $\frac{M}{2}$

OTHER

Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal 2				
Trestles Wooden Structures Overhead Cables Powerlines				
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				
Environmental Hazard (EH):				
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.				
Human Hazard (HH):				
<pre>% A = Commodity (Table E-1, Human column). // 2B = Status (Table E-2). // 2C = Type (Table E-3). // 2D = Size (Table E-4). // E = Milling Method (Table E-5). // F = Access (Table 9). // HH = A x B x C x D x E x F = /3.</pre>				

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is B

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

8.6

Page 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahag - Pedregosq
Management Unit: Chiricana 4 - 1201 - 403 4
Primary Name: Unnamed Shart, Decline
Alternate Name:
MASDB MILS Table Sequence number: 6040030002
Date of Report: 8-3-93 Sample number(s): C/ 206-207
LOCATION DATA
state: 42 County: Cochise Township: 175 Range: 31 & Section: 21
Latitude: N3/560/ Longitude: W1091033 Elevation (ft): 5400
7.5' or 15' Quadrangle Map Name: Portal Scale:
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\sum \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

- Page 2/4

HISTORICAL DATA (con't)

WITTING Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill $ ot \succeq$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit Decline X Shaft X Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 🗶 Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

Length ___ x Width ___ x Height ____

WATER

Are bodies of water found on or near the site? (y/n) $\textstyle \!$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \underline{N}
Is water being produced from the feature? (y/n) $\frac{N}{2}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) M
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $ imes$ 4WD Road to < 1/2 mi of site $_$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the cite (v/n)

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ___
```

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities / B = Status (Table E-2).

Type (Table E-3). Size (Table E-4). 1, 2 C =) · 2 D =

/ E = Milling Method (Table E-5).

, F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

LEH = A x B x C x D x E x F = 8.6

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column). I = Status (Table E-2).

1.2C = Type (Table E-3).

1.2D = Size (Table E-4).

| E = Milling Method (Table E-5). 2 F = Access (Table 9).

2 F =

'HH = A x B x C x D x E x F = 25.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B: EH between 7 and 20

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

Page 4/4

Category C: EH < 7

The category for this site is $oxedsymbol{ ilde{eta}}$.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

8.6/3.8

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Lead Lily Shaft
Alternate Name:
MASDB HILS Table Sequence number: 00 40030003
Date of Report: 7-27-93 Sample number(s): CH 23-24
LOCATION DATA
State: AZ County: Cochise Township: 165 Range: 30 & Section: 33
Latitude: N 3/5932 Longitude: W 109/7/3 Elevation (ft): 6630
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium × Copper × Lead × Mercury Zinc × Other
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $ imes$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite \(\sum \) Galena \(\sum \) Marcasite Sphalerite \(\sum \)
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit _ Decline _ Shaft \perp Glory Hole _ Small Pit or Trench (< 10 ft) $ ilde{\times}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n) $ wline u$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

WATER

Are bodies of water found on or near the site? (y/n) \underline{N}
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{p}{y}$
Is water being produced from the feature? (y/n) $\stackrel{\mathcal{N}}{=}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \cdot \frac{\eta}{2}$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{y}{y}$

OTHER

Are any of the following other features present?:

Drums or Ta	nks Hea	dframes Tramw	аув В	ags Scrap Metal
Trestles	Wooden St	ructures Over	head Cabl	es Powerlines
Power Subst	ations	Transformers	Chemicals	Other
		HAZARD CAL	LCULATION	s
Environment	al Hazard (EH):		
1,2 B = /,2 C = /,2 D = / E =	or noted inoted. Status (Tabl Size (Tabl Milling Me Acid poten neutralizi	n analyses. Use ble E-2). e E-3). e E-4). thod (Table E-5). tial: If any ind	icator mi	column) produced historically est number for commodities nerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	d (HH):			
1.2 C = 1.2 D = 1 E =	Status (Ta Type (Tabl Size (Tabl	e E-3). e E-4). thod (Table E-5).		
	1HH = A x 1	BxCxDxExF	= 13-8	
		PRIC	RITY	
Sites the gun on by EH as fo	environment	nked for each mou al hazards only.	ntain ra: Numerica	nge. The FS is presently under al ranking will, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between 7 ar	nd 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

7,2/17.3

5. 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahaa - Pedregos 9
Primary Name: Uhnamed Shaft
Alternate Name:
MASDB MILS Table Sequence number: None
Date of Report: 7-27-93 Sample number(s): CH 27
LOCATION DATA
State: AZ County: Cochise Township: 165 Range: 30E Section: 32
Latitude: $\sqrt{3/59}$ 22 Longitude: $\sqrt{1.9}$ /7 32 Elevation (ft): $6,72$
7.5' or 15' Quadrangle Map Name: Rustler Park Scale: >.5
Mining or Mineral District: California
HISTORÌCAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead $leph $ Mercury $leph $ Zinc $leph $ Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\times \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

-
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit Decline Shaft \(\square\) Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? $(y/n) \rightarrow$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
tongth y Width y Height.

WATER

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \textstyle M}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\stackrel{\textstyle \mbox{\not}}{\textstyle \mbox{\not}}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\mathcal{V}}{=}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) $\frac{y}{y}$.

			OTHER	
Are any of th	he following	other featu	res present	?:
Drums or Tank	ks Headi	rames Tr	amways l	Bags Scrap Metal
Trestles	Wooden Stru	ctures _ 0	verhead Cab	les Powerlines
Power Substations Transformers Chemicals Other				
		HAZARD	CALCULATION	ıs
Environmental	l Hazard (EF	1):		
/ B = S / 2C = T / D = S / E = F / 2F = F	or noted in noted. Table (Table (Table Size (Table Milling Methacid potentineutralizing	e E-2). E-3). E-4). nod (Table E-1. al: If any	se the highers, so the second	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazard	(HH):			
<pre>8 A = Commodity (Table E-1, Human column). B = Status (Table E-2). AC = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). Access (Table 9).</pre> HH = A x B x C x D x E x F = 17.3				
PRIORITY				
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
	ry A: ry B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categor	ry C:	EH < 7		These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

3.5/6.2

2. 1/2

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Pedregosa
Primary Name: Unknown.
-
Alternate Name:
MASDB MILS Table Sequence number: 0040030557
Date of Report: 7-27-93 sample number(s): CH 1-4
LOCATION DATA
State: AZ County: Cochise Township: 165 Range: 29E Section: 2
Latitude: N 32 0430 Longitude: W 109 2154 Elevation (ft): 5,880
7.5' or 15' Quadrangle Map Name: Cochise Head Scale: 7.5
Mining or Mineral District: California
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other _X
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) _
Large (over 1,000,000 st)

Milling Method:			
Amalgamation Arrastre Gravity Crusher only Heap Leach _			
Leach CIP Cyanidation Stamp Flotation _			
Jig Plant Retort No Mill 🔀 Unknown			
Acid Producing or Indicating Minerals:			
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite			
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite			
Other FeOx			
Neutralizing Host Rock:			
Dolomite Limestone X Marble Micrite Sparite			
Other Carbonate			
Type and number of workings: (indicate with an X or 1, 2, etc.)			
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)			
Large Pit (> 10 ft) Quarry Placer Building Machinery			
Cistern Solution Mining Well Mine Dump Mill Tailings			
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence			
Other			
CONDITION OF SITE AND/OR FEATURE			
Does the condition of the feature represent a hazard? (y/n)			
Mark all conditions that apply:			
Open to Entry X Partly Caved Concealed Partly Concealed			
Collapsed Partly Collapsed \(\sum \) Standing Empty Rotten Cribbing			
Unstable Wall X Eroded Partly Eroded Intact Subsided			
Foundation Prone to Wind Erosion Other			
SIZE OF FEATURE (ft)			
Length x Width x Height			

WA		

HALLER			
Are bodies of water found on or near the site? (y/n)			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream Lake Bay			
Other			
Is water present at the feature? (γ/n) $\textstyle \!$			
Is water being produced from the feature? (y/n) $\frac{i\gamma}{i}$			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n) $\stackrel{\textstyle u}{\!$			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EIPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n) $ u$			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road 4WD Road to < 1/2 mi of site \times			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n) $\frac{Y}{Y}$			

OTHER

OTHER CO.			
Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
2 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. .2 B = Status (Table E-2). .2 C = Type (Table E-3). .2 D = Size (Table E-4). E = Milling Method (Table E-5). O'F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0			
Human Hazard (HH):			
2 A = Commodity (Table E-1, Human column). 1.2 B = Status (Table E-2). 1.2 C = Type (Table E-3). 1.2 D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.8F = Access (Table 9). HH = A x B x C x D x E x F = 6.2			

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is <u>C</u>.

 $^{^{1}\!\}underline{within}$ a table, take only the highest value as the total value for that table.

3.5/5.8

Page 1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chir. Cahua - Padregosa
Primary Name: Unnamed Decline/Shaft
Alternate Name:
MASDB MILS Table Sequence number: _Nonc
Date of Report: 7-30-73 Sample number(s): CH 161-162
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 305 Section: 24
Latitude: N3/5630 Longitude: W109/324 Elevation (ft): 5760
7.5' or 15' Quadrangle Map Name: PorTe/ Scale: 7.5
Mining or Mineral District: (ali Fornia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other X
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$ \nearrow
Large (over 1,000,000 st)
·

- Page 2/4

HISTORICAL DATA (con't)

Willing Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.) Adit Decline 1_ Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \dot{N}}{}$		
Please mark with an X all that apply:		
Stream River Pond Intermittent Stream Lake Bay		
Other		
Is water present at the feature? (y/n) $\frac{1}{y}$		
Is water being produced from the feature? (y/n) $\frac{H}{}$		
If water is present, how does it occur?:		
Standing Filled Partly Filled Flowing Intermittent		
If water is present, what color is it?:		
Brown Green Yellow Yellow/orange Orange Gray/black		
Other color		
MACHINERY		
Is machinery present at the site? (y/n) N		
Location of Machinery:		
Inside Building Outside Building No Building, Other Location		
Type of Machinery:		
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill		
Amalgamation Equipment Arrastre Ore Bins Tanks Other		
EXPLOSIVES		
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\mathcal{N}}{}$		
If present, give type and location		
ACCESS		
Access is by:		
Maintained Road 4WD Road to < 1/2 mi of site		
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country X_		
There is a habitation < $1/2$ mi from the site (y/n) γ		

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OTHER

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Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other _____
                             HAZARD CALCULATIONS
Environmental Hazard (EH):
   A = Commodity (Table E-1, Environmental column) produced historically
           or noted in analyses. Use the highest number for commodities
            noted.
   / B =
           Status (Table E-2).
  1.2C =
          Type (Table E-3).
Size (Table E-4).
           Milling Method (Table E-5).
           Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
  1.2F =
           1EH = AxBxCxDxExF = 3.5
Human Hazard (HH):
   1.2C = Type (Table E-3).
  1,2D = Size (Table E-4).
   / E = Milling Method (Table E-5).
          Access (Table 9).
           'HH = A x B x C x D x E x F = 5.8
```

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites should be examined.

The category for this site is

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

3.1 2.1/4

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Chiricahua - Padregosa			
Primary Name: Chir, Cahua Mine			
Alternate Name:			
MASDB MILS Table Sequence number: 0040030054			
Date of Report: 7-28-93 Sample number(s): C/+ 87-92			
LOCATION DATA			
State: A2 County: Cochise Township: 175 Range: 30 W Section: 14			
Latitude: <u>N3/57/3</u> Longitude: <u>W 109/454</u> Elevation (ft): <u>6/80</u>			
7.5' or 15' Quadrangle Map Name: Portal Scale: >-5			
Mining or Mineral District: California			
HISTORICAL DATA			
Please mark with an X all that apply.			
Elements produced and/or noted in geochemical analyses:			
Arsenic Cadmium Copper 🔀 Lead Mercury Zinc Other			
Status of Operation:			
Past Producer Explored Prospect X Raw Prospect Developed Prospect			
Status Unknown			
Type of Operation:			
Surface Underground Surface and Underground \(\sum \) Mineral Location			
Placer Prospect Dredging Processing Plant Well Unknown			
No Data			
Size based on production of ore to date:			
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $_$			
Medium (250,000 to 500,000 st)Medium to Large (500,000 to 1,000,000 st) _			
Large (over 1,000,000 st)			

Milling Method:
Amalgamation Arrastre Gravity $iggee$ Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Z Pyrrhotite _ Stibnite _ Other sulfide _ Limonite Z
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit $oxtimes$ Decline _ Shaft $igttee$ Glory Hole $oxtimes$ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)
Length x Width x Height

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(ſ	1
¢	×	Ç

Are bodies of water found on or near the site? (y/n) h
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{P}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n)^{r/2}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

		01	THER			
Are any of	the followin	ng other feature	s present?	?:		
Drums or Tax	nks Head	iframes Tram	ways E	Bags Scr	ap Metal	$\underline{\times}$
Trestles	Wooden St	ructures Ove	rhead Cabl	.es _ Powe	rlines _	_
Power Substa	ations 1	Transformers	Chemicals	Other	Old Mill Brick	Foundation
		HAZARD C	ALCULATION:	s		
Environment	al Hazard (F	EH):				
1.5 C =	or noted in noted. Status (Tab Type (Table	≘ E-3).				
1.8 E =	Acid potent neutralizir	thod (Table E-5) tial: If any in ng hos rocks are	dicator mi not prese	nerals were	checked; otherw	AND ise F = 1.0
	$^{1}EH = A \times B$	x C x D x E x E	r = 3.7			
Human Hazaro	1 (HH):					
1.2B =	Status (Table	Table E-1, Huma ble E-2). EE-3). EE-4). hod (Table E-5)				
·	1 HH = A x B	x C x D x E x F	<u> = 4.3</u>			
		PRI	ORITY			
Sites the gun on e by EH as fol	environmenta	ked for each model hazards only.	untain ran Numerica	ge. The FS l ranking w	is prese ill, the	ently under refore, be
		EH > 20 EH between 7 a	nd 20	These are p These sites in order of	should h	e examined

The category for this site is $\underline{\bigcirc}$.

Category C:

EH < 7

category A is dealt with.
These sites may not need to be examined.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

;

Milling Method: Amalgamation ___

Other _

Management Unit: Chirico har - Pedregos9
Primary Name: Unhamed Prospects
Alternate Name:
MASDE MILS Table Sequence number: 0040030256
Date of Report: 7-30-93 sample number(s):
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 31E Section: 20
Latitude: N 3/56/0 Longitude: W 109 1/ 26 Elevation (ft): 5 450
7.5' or 15' Quadrangle Map Name: PorTal Scale: 7.5
Mining or Mineral District: <u>California</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

52

Amalgamation Arrastre	Gravity	Crusher o	nly Heap Le	ach _
Leach CIP	Cyanidation	st	amp Flotat	ion _
Jig Plant Retort	No Mill	Unkn	own	
Acid Producing or Indicating Arsenopyrite Chalcopyrite Pyrite X Pyrrhotite Sti	Galena			
Other FeOx 🔀				
Neutralizing Host Rock:				
Dolomite Limestone \succeq Ma	rble Micrite	Sparite		
Other Carbonate				

HISTORICAL DATA (con't)

CONDITION OF SITE AND/OR FEATURE Does the condition of the feature represent a hazard? (y/n)Mark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _ Foundation __ Prone to Wind Erosion __ Other _

Adit / Decline _ Shaft / Glory Hole _ Small Pit or Trench (< 10 ft) 2 Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __

Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __

SIZE OF FEATURE (ft)

Length	v	Width	v	Height	

Type and number of workings: (indicate with an X or 1, 2, etc.)

: WATER
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\stackrel{{\cal N}}{ {\cal M} }$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
,
Is machinery present at the site? (y/n) $rac{\mathcal{N}}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{V}{V}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
Maintained Road 4mb Road to 1/2 mi of site /-

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) $\frac{1}{2}$

Are any of	the follow	ing other features	present?:
Drums or Ta	nks He	adframes Tramwa	ys Bags Scrap Metal
Trestles	Wooden S	tructures Overh	ead Cables Powerlines
Power Subst	ations _	Transformers C	hemicals Other
		HAZARD CAL	CULATIONS
Environment	al Hazard	(EH):	
/·2.D = / E =	or noted noted. Status (Table Type (Table Milling Me Acid poter neutralizi	in analyses. Use t able E-2). Le E-3). Le E-4). ethod (Table E-5). ttial: If any indi	nmental column) produced historically he highest number for commodities cator minerals were checked AND of present, F = 1.2; otherwise F = 1.0
Human Hazar	d (HH):		
1-2C = 1-2D = 1 E =	Status (Tab) Size (Tab) Milling Me Access (Tab	e E-3). e E-4). thod (Table E-5).	
		PRIOR	TTY
Sites the gun on o by EH as fo	environment	nked for each mound al hazards only. I	ain range. The FS is presently under numerical ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7 and	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C:	EH < 7	These sites may not need to be

examined.

OTHER

The category for this site is _____.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

DRAGOON

<u>Name</u>	EH no.	HH no.	Priority Catagory	Page
1. Middlemarch Mine	53.2	120	А	E63
2. Seneca Mine	20.8	46.7		E65
3. San Juan Mine	20.2	54.4		E67
4. Standard Tungsten	17.3	51.8	В	E69
5. Moonlight Mine	17.3	46.7		E71
6. Festerling Mine	17.3	46.7		E73
7. Cobre Loma Mine	17.3	46.7		E75
8. Muheim Mine	17.3	46.7		E77
9. Naoe workings	17.3	46.7		E79
10. Buena Vista Mine	17.3	46.7		E81
11. Abril Mine	14.4	41.5		E83
12. Christmas prospect	14.4	28.8		E85
13. St. Francis Mine	12.5	28.0		E87
14. Jordan Canyon prospects	12.5	28.0		E89
15. Gordon Spring prospects	10.4	31.1		E91
16. Sala Ranch prospects	10.4	28.0		E93
17. Unnamed workings	10.4	28.0		E95
18. Unnamed workings	10.4	28.0		E97
19. Unnamed shafts	10.4	28.0		E99
20. "The pit" prospect	10.4	28.0		E101
21. Emma Adit/unnamed adit	8.7	24.9		E103
22. Eila prospect	8.7	13.0		E105

DRAGOON MOUNTAINS-continued

<u>Name</u>	EH no.	HH no.	Priority Catagory	page
23. Unnamed adit	8.6	23.3	В .	E 107
24. Unnamed adit	8.6	23.3		E109
25. Unnamed shaft	1.4	2.6	С	EIII
26. Unnamed shaft	1.4	2.6		E113
27. McDaniel's Cut prospect	1.4	2.6		EIIS

E63

\sim
Management Unit: Dragoon
Primary Name: Middle March Mire
Alternate Name: Missouri Mine
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 Sample number(s): DR 216-283
LOCATION DATA
State: A2-County: Cochise Township: 185 Range: 23E Section: 12
Latitude: $N3/5252$ Longitude: $W/095653$ Elevation (ft): $5,500$
7.5' or 15' Quadrangle Map Name: Cochise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium 🗶 Copper 🗶 Lead _ Mercury 👱 Zinc 👱 Other
Status of Operation:
Past Producer $llowbreak oxedsymbol{eta}$ Explored Prospect $oxdot$ Raw Prospect $oxdot$ Developed Prospect $oxdot$
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) _ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Page 2/4

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation 2
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx 🔀
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline X Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft)Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed _ Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Frone to Wind Erosion Other
Size of Feature (ft) About 11,000 Tons or Tailings
Length x Width x Height

WATER

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing X Filled _ Partly Filled X Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building $_$ Outside Building $ imes$ No Building, Other Location $_$
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher \(\begin{equation} \text{Ball or Rod Mill } \begin{equation} \text{X} \\ \text{Particles} \\ \text{App Mill } \\ \t
Amalgamation Equipment Arrastre Ore Bins Tanks X OtherX
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{N}{}$

OTHER

Are any of the following other features present?:
Drums or Tanks X Headframes _ Tramways _ Bags _ Scrap Metal X
Trestles Wooden Structures X Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

 \mathcal{L} A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

2 B = Status (Table E-2).

1,2C = Type (Table E-3). 1.4D = Size (Table E-4).

2.2E = Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F=1.2; otherwise F=1.0/,2F =

¹EH = A x B x C x D x E x F = 53.2

Human Hazard (HH):

 \mathcal{L}_{A} = Commodity (Table E-1, Human column). Status (Table E-2).

1.2c = Type (Table E-3).1.4D = Size (Table E-4).

2.2E = Milling Method (Table E-5).

), &F = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{1}{2}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: EH between 7 and 20 Category B:

These are priority sites. These sites should be examined in order of rank after

category A is dealt with. EH < 7 These sites may not need to be

Category C:

examined.

The category for this site is \triangle

^{&#}x27;Within a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Primary Name: Seneca Mine
Primary Name: Seneca Mine
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-12-93$ Sample number(s): $DR 121-129$
LOCATION DATA
State: At county: Cockise Township: 175 Range: 23 E Section: 10,11
Latitude: N315754 Longitude: 109 5857 Elevation (ft): 5,900
7.5' or 15' Quadrangle Map Name: Cockise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer Z Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
arsenopyrite _ Chalcopyrite X Galena X Marcasite _ Sphalerite X
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $\stackrel{\textstyle \times}{ imes}$
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\#$ Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) \le
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \searrow
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed X Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
versely width v Hoight

Are bodies of water found on or near the site? (y/n) $\frac{Y}{Y}$ Please mark with an X all that apply: Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __ Other ____ Is water present at the feature? (y/n) / Is water being produced from the feature? (y/n) Y If water is present, how does it occur?: Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __ If water is present, what color is it?: Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __ Other color____

WATER

Is machinery present at the site? (y/n)

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __ Type of Machinery: Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __

Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other ____

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n) $\frac{h}{y}$ If present, give type and location ____

ACCESS

Access is by:

Maintained Road _ 4WD Road to < 1/2 mi of site \times 4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __ There is a habitation < 1/2 mi from the site (y/n) $\underline{\gamma}$

OTHER

Are any of the following other features present?: Drums or Tanks _ Headframes _ Tramways _ Bags _ Scrap Metal $\frac{X}{}$ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other ___

HAZARD CALCULATIONS

Environmental Hazard (EH):

L A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities

Status (Table E-2).

1.2 C = Type (Table E-3). Size (Table E-4). 1.2D =

) E = Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND 1.2F = neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

1EH = A x B x C x D x E x F = 20.8

Human Hazard (HH):

9 A= Commodity (Table E-1, Human column).

2 B = Status (Table E-2).

1.2 C = Type (Table E-3).

Size (Table E-4).

) E = Milling Method (Table E-5). Access (Table 9).

THH = A x B x C x D x E x F = 46,7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the qun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

FH > 20 Category A:

Category B: EH between 7 and 20 These are priority sites. These sites should be examined

Category C:

EH < 7

in order of rank after category A is dealt with. These sites may not need to be

examined.

The category for this site is

Within a table, take only the highest value as the total value for that table.

20,2/54,4

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: San Juan Mine
Alternate Name: Sulphide Adit, Silver Adit, Mann Adit
MASDE MILS Table Sequence number:
Date of Report: 8-12-93 sample number(s): DR 195-201, 205-222
LOCATION DATA
State: AZ county: Cochise Township: 185 Range: 23E Section: 10
Latitude: N 31 52 59 Longitude: W 10 95857 Elevation (ft):
7.5' or 15' Quadrangle Map Name: Cochise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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HISTORICAL DATA (con't)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite \times Galena X Marcasite Sphalerite X
Pyrite _ Pyrrhotite _ Stibnite _ Other sulfide _ Limonite $\frac{X}{X}$
Other FeOx 📈
Neutralizing Host Rock:
Dolomite Limestone \(\sum \) Marble Micrite Sparite
Other Carbonate
Other Garbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 5 Decline Shaft 2 Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Partly Caved Concealed. Partly Concealed
Collapsed Partly Collapsed \(\sum \) Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
reach width y Height

Are bodies of water found on or near the site? $(y/n) \nearrow$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\sum_ Lake Bay
Other
Is water present at the feature? $(y/n) \neq 0$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing $oldsymbol{ iny}$ Filled $oldsymbol{ iny}$ Partly Filled $oldsymbol{ iny}$ Flowing $oldsymbol{ iny}$ Intermittent $oldsymbol{ iny}$
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other Rail
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $_$
If present, give type and location
ACCESS
•
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X_
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (v/n) γ

OTHER

Are any of t	he following	other featur	es present?		ř.
Drums or Tar	nks Headf	rames Tra	mways E	ags Scrap Metal	
Trestles	Wooden Stru	ctures Ov	erhead Cabl	es Powerlines	
Power Substa	ations Tr	ansformers	Chemicals	Other	
		HAZARD	CALCULATION	s	
Environmenta	al Hazard (EB	·):			
2 B =	or noted in noted. Status (Tabl Type (Table	analyses. Us .e E-2). E-3).	rironmental e the highe	column) produced historically est number for commodities	
ír –	Acid potenti neutralizing	od (Table E-5 lal: If any i J hos rocks ax	ndicator mi e not prese	inerals were checked AND ent, F = 1.2; otherwise F = 1.	0
	$_{I}EH = Y \times B$	x C x D x E x	$F = \frac{20.3}{100}$	2.	
Human Hazar	• ,				
シB =	Status (Table Type (Table Size (Table Milling Meth Access (Table	E-4). nod (Table E-9 le 9).	5).		
	¹ HH = A x B	xCxDxEx	$\mathbf{F} = \underline{5\%}$	4	
			RIORITY		
Sites the gun on by EH as fo	environmenta.	ked for each me l hazards only	nountain ra y. Numeric	nge. The FS is presently unde al ranking will, therefore, be	r
Categ Categ	ory A: ory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examine in order of rank after category A is dealt with.	
Categ	ory C:	EH < 7		These sites may not need to be examined.)е

The category for this site is A.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Standard Tungsten
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-13-93$ Sample number(s): $DR 300-315$
LOCATION DATA
State: AZ County: Cochise Township: 185 Range: 23 E Section: 13,23,24
Latitude: N 315246 Longitude: W1095722 Elevation (ft): 5,800
7.5' or 15' Quadrangle Map Name: Black Diamond PK. Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Muse of George
Type of Operation:
Surface Underground Surface and Underground $ imes$ Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) / Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st) Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite \times Pyrrhotite Stibnite Other sulfide Limonite \times
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone $ imes$ Marble $ imes$ Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit / Decline _ Shaft $\frac{\mathcal{S}}{2}$ Glory Hole _ Small Pit or Trench (< 10 ft) $\frac{\mathcal{S}}{2}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

1.0
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\stackrel{N}{\underline{\qquad}}$
Is water being produced from the feature? $(y/n) \frac{N}{x}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{N}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\textstyle $
If present, give type and location
ACCESS
Access is by:
Maintained Road × 4WD Road to < 1/2 mi of site _
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) \overline{V}

OTHER

Contraction of

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historicall or noted in analyses. Use the highest number for commodities

2 B = Status (Table E-2). /2C = Type (Table E-3).

1.2c = Type (Table E-3). 1.2b = Size (Table E-4).

/F = Milling Method (Table E-5).

/F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

1EH = A x B x C x D x E x F = 17.3

Human Hazard (HH):

 ${\tilde Z}_B = {\text{Commodity (Table E-1, Human column)}}$. Status (Table E-2).

1.2c = Type (Table E-3).

1.2D = Size (Table E-4).

/ E = Milling Method (Table E-5).

2 F = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{5/-8}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: Category B:

EH between 7 and 20

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.

Category C:

These sites may not need to be

examined.

The category for this site is $\overline{\mathcal{B}}$

^{&#}x27;Mithin a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Moonligh T Mine
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-16-93 Sample number(s): DR 355-363
LOCATION DATA
State: A2 County: Cachise Township: 185 Range: 23 F section: 24
Latitude: N 3/5/03 Longitude: W/09563/ Elevation (ft): 6640
7.5' or 15' Quadrangle Map Name: Black Diemond PK Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X zinc X Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill > Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite & Galena & Marcasite Sphalerite &
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft /_ Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{V}{\longrightarrow}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \stackrel{\textstyle \bigvee}{-}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? $(y/n) \stackrel{\mathcal{H}}{=}$
If water is present, how does it occur?:
Standing Filled Fartly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
N.,
Is machinery present at the site? (y/n) $\stackrel{\textstyle ightarrow}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
,
Are any explosives or blasting supplies found on the site? (γ/π) $\stackrel{\textstyle \bigcap}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < $1/2$ mi of site \times
AUD Dand > 1/2 mi from gito Trail or undrivable Road Cross-country

There is a habitation < 1/2 mi from the site (y/n) $\frac{\eta}{}$

		O1	HER	
re any of	the followin	g other features	present:	?:
rums or Ta	nks Head	frames Tramv	ways I	Bags Scrap Metal
restles	Wooden Str	uctures _ Over	rhead Cab	les Powerlines
ower Subst	ations T	ransformers	Chemicals	Other <u>Rail</u>
		HAZARD CA	LCULATION	s
nvironment	al Hazard (E	H):		
1 E =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use le E-2). E-3). E-4). hod (Table E-5). ial: If any inc	the highe	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
uman Hazar	d (HH):			
/,2C = /,2D = / E =	Type (Table Size (Table Milling Met Access (Tab	E-4). hod (Table E-5).		
		PRIC	ORITY	
	envi ronmenta			nge. The FS is presently under al ranking will, therefore, be
Categ	ory A:	EH > 20		These are priority sites.

EH between 7 and 20 These sites should be examined in order of rank after Category B: category A is dealt with.
These sites may not need to be examined. Category C:

The category for this site is ______

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

17.3/46.7

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

5
Management Unit: Dragoon
Primary Name: Festerling Mihl
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-/3-93$ Sample number(s): $DR 3/6-326$
LOCATION DATA
state: AZ county: Cochise Township: 185 Range: 23 E section: 24
Latitude: N 3/5/35 Longitude: W 1095642 Elevation (ft): 6,000
7.5' or 15' Quadrangle Map Name: Black Diamond PK. Scale: 7,5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🐰 Copper Lead 🔀 Mercury 🔀 Zinc 🚩 Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite \overline{X}
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ar{eta}$ Decline $oxtime$ Shaft $ar{eta}$ Glory Hole $oxtime$ Small Pit or Trench (< 10 ft) $oxtime$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Taraba Width w Woight

111221
Are bodies of water found on or near the site? $(y/n) eq $
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \times Lake Bay
Other
Is water present at the feature? (y/n) $\frac{\mathcal{N}}{}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \frac{V}{V}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\mathcal{N}}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \succeq
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) h

	C	T	H	E	R
--	---	---	---	---	---

	V2D	
Are any of the follow	ing other features prese	ent?:
Drums or Tanks He	adframes Tramways _	_ Bags Scrap Metal
Trestles Wooden S	tructures Overhead (Cables Powerlines
Power Substations	Transformers Chemic	cals Other
	HAZARD CALCULAT	ions
Environmental Hazard	(EH):	
or noted noted. 7-B = Status (T //2C = Type (Tab //2D = Size (Tab //E = Milling M //F = Acid pote neutraliz	in analyses. Use the had be not be no	r minerals were checked AND cesent, F = 1.2; otherwise F = 1.0
Human Hazard (HH):		
2B = Status (T 1.2 C = Type (Tab 1.2 D = Size (Tab 1 E = Milling M 1.8 F = Access (T	ole E-4). Method (Table E-5).	
	PRIORITY	
Sites will be r the gun on environmen by EH as follows:	anked for each mountain tal hazards only. Numer	range. The FS is presently under rical ranking will, therefore, be
Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is

 $[^]t\underline{Within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Cobre Long Mine
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-/3-93$ Sample number(s): $DR 246-250$
LOCATION DATA
state: AZ county: Cochise Township: 185 Range: 23E Section: 11
Latitude: N 3/5328 Longitude: W/09 5747 Elevation (ft): 5,840
7.5' or 15' Quadrangle Map Name: Cochise Stronghold scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead Mercury X Zinc Other
Status of Operation:
Past Producer \succeq Explored Prospect $_$ Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite \(\sum \) Galena Marcasite Sphalerite \(\sum \)
Pyrite Y Pyrrhotite Y Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Y Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Fad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tanah water

WA	w	к	н

ι
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing X Filled _ Partly Filled X Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{V}{\longrightarrow}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{N}{n}$
If present, give type and location
Tr presently give experimental and a second
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site $(y/n) \frac{y}{y}$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Hetal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

Environmental Hazard (EH):

or noted in analyses. Use the highest number for commodities noted.

HAZARD CALCULATIONS

2 B = Status (Table E-2). 1.2C = Type (Table E-3). 1.2D = Size (Table E-4).

/ E = Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

 1 EH = A x B x C x D x E x F = $\frac{12.3}{}$

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2).

/.2C = Type (Table E-3).
/.2D = Size (Table E-4).
/.E = Milling Method (Table E-5).
/.SF = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{46.7}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B: EH between 7 and 20

These sites should be examined in order of rank after category A is dealt with. These sites may not need to be

These are priority sites.

Category C: EH < 7

examined.

The category for this site is $\underline{\mathcal{B}}$

^{&#}x27;Within a table, take only the highest value as the total value for that table.

17.3

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Muheim Mine
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $9-12-93$ Sample number(s): DR 226-239
LOCATION DATA
State: A2 County: Cock'Se Township: 185 Range: 23 E Section: 10
Latitude: N 3/5302 Longitude: W 1095837 Elevation (ft): 6,800
7.5' or 15' Quadrangle Map Name: Cochise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zino Other
Status of Operation:
Past Producer 🗡 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)
•

Page 2/4

filling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Seutralizing Host Rock:
oolomite Limestone 🗹 Marble Micrite Sparite
other Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
which dit $\stackrel{>}{\sim}$ Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) $\stackrel{1}{\perp}$
arge Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
other
Condition of site and/or feature
loes the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 🗹 Partly Caved 🗹 Concealed Partly Concealed
Collapsed Partly Collapsed \(\sum_{\text{Standing}} \) Empty Rotten Cribbing
Instable Wall K Eroded Partly Eroded Intact Subsided
Coundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Page 3/4

Please mark with an X all that apply: Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __ Other _____ Is water present at the feature? (y/n)Is water being produced from the feature? (y/n)If water is present, how does it occur?: Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __ If water is present, what color is it?: Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __ Other color____ Is machinery present at the site? (y/n)Location of Machinery: Inside Building __ Outside Building __ No Building, Other Location & Type of Machinery: Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __ Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other Junked Car EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n)If present, give type and location ACCESS Access is by: Maintained Road _ 4WD Road to < 1/2 mi of site \times 4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

WATER

Are bodies of water found on or near the site? (y/n)

There is a habitation < 1/2 mi from the site (y/n)

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other Rail HAZARD CALCULATIONS Environmental Hazard (EH): 6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2 B = Status (Table E-2). /-2C = Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1EH = A x B x C x D x E x F = 17-3 Human Hazard (HH): 7 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). /.2 C = Type (Table E-3)./-2 D = Size (Table E-4). / E = Milling Method (Table E-5). Access (Table 9).

OTHER

Are any of the following other features present?:

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B: EH between 7 and 20

EH < 7

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is eta .

Category C:

^{&#}x27;Within a table, take only the highest value as the total value for that table.

17.3/46:

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Naoe workings
Alternate Name: 6-ood Hope Mine
MASDB MILS Table Sequence number:
Date of Report: $8/(-12-9.3)$ Sample number(s): $DR/(1/-1.20)$
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 23 E Section: 9, 16
Latitude: N 3/5748 Longitude: W 1100009 Elevation (ft): 6,300
7.5' or 15' Quadrangle Map Name: KNOB Hill scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔀 Copper Lead 🔀 Mercury 🔀 zinc 🔀 Other
Status of Operation:
Past Producer Z Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground \succeq Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite $ imes$ Galena $ imes$ Marcasite _ Sphalerite $ imes$
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble X Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\frac{\mathcal{L}}{2}$ Decline _ Shaft $\frac{3}{2}$ Glory Hole _ Small Pit or Trench (< 10 ft) $\frac{3}{2}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

la la
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \stackrel{N}{=}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location 🔀
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\underline{\mathcal{Y}}$

OTHER

·
Are any of the following other features present?:
Drums or Tanks Headframes Tramways $igstyle imes$ Bags Scrap Metal
Trestles Wooden Structures > Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
2 B = Status (Table E-2). /.2 C = Type (Table E-3).
/.2 C = Type (Table E-3). /.2D = Size (Table E-4).
/ E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.
'EH = A x B x C x D x E x F = 17.3
Human Hazard (HH):
9 $A = Commodity$ (Table E-1, Human column). $\sum B = Status$ (Table E-2).
$1\cdot^{2}C = \text{Type (Table E-3)}.$ $1\cdot^{2}D = \text{Size (Table E-4)}.$
E = Milling Method (Table E-5).
//SF = Access (Table 9).
1 HH = A × B × C × D × E × F = $\frac{46.7}{}$
PRIORITY
Sites will be ranked for each mountain range. The FS is presently unde the gun on envisonmental hazards only. Numerical ranking will, therefore, be

by EH as follows:

These are priority sites.
These sites should be examined in order of rank after Category A: Category B: EH > 20 EH between 7 and 20 category A is dealt with.
These sites may not need to be examined. Category C: EH < 7

The category for this site is $\frac{\mathcal{B}}{}$.

Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Mountain S
Primary Name: Buena Vista Mine
Alternate Name:
MASDB MILS Table Sequence number: 0040030/07
Date of Report: 8-1/-93 Sample number(s): DR 80-9/
LOCATION DATA
State: A2 County: Cochise Township: 175 Range: 23 Esection: 8
Latitude: $\frac{N315806}{N315806}$ Longitude: $\frac{W1100113}{N315806}$ Elevation (ft): $\frac{5.480}{N315806}$
7.5' or 15' Quadrangle Map Name: Khob Hill Scale: >.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury × Zinc × Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

milling method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Y Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\frac{2}{2}$ Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) $\frac{2}{2}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Z Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

•
Are bodies of water found on or near the site? (y/n) $\frac{h}{h}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{\sqrt{y}}{y}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
niiatyaliiaeton byatpiiana seraote ozo seno
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $$
If present, give type and location
ACCESS
Access is by: Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country There is a habitation < 1/2 mi from the site (y/n)
There is a habitation < 1/2 ml from the site (y/h)

Are any of the following other features present?: Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other ___ HAZARD CALCULATIONS Environmental Hazard (EH): \mathcal{E} A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities 2 B = Status (Table E-2). Type (Table E-3). Size (Table E-4). 1.2-C =) 2 D = Milling Method (Table E-5).
Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 / E = / F = 1EH = A × B × C × D × E × F = 12.3 Human Hazard (HH): 9 A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). 1,2C = Type (Table E-3). 1,2D = Size (Table E-4). Milling Method (Table E-5). Access (Table 9). 1.8F = 1 HH = A x B x C x D x E x F = 4 6, 7

OTHER

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is B

 $[\]underline{\underline{\mbox{Within}}}$ a table, take only the highest value as the total value for that table.

17 00 17

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Management Unit: Dragoon Primary Name: Abr. / Mine
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-12-93$ Sample number(s): $DR 151-167$
LOCATION DATA
State: AZ County: Cochise Township: 175 Range: 23E Section: 34
Latitude: N315434 Longitude: W1095935 Elevation (ft): 6,600
7.5' or 15' Quadrangle Map Name: Cochise Strayhold scale: 1-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🗡 Copper 🔀 Lead 🔀 Mercury Zinc 🗴 Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $_$ Surface and Underground $ ot \succeq$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

filling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
cid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite Other FeOx X
Neutralizing Host Rock:
Oolomite Limestone \(\square Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ ot \!$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump 🔀 Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed Fartly Collapsed Standing Empty Rotten Cribbing
Unstable Wall 🔀 Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
size of Feature (ft) Over 3,000 tons Combined dumps
reacth v Width v Height

Are bodies of water found on or near the site? $(y/n) \not \perp$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Z Lake Bay
Other
Is water present at the feature? (y/n) \swarrow
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing X Filled Partly Filled X Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{N}{=}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\stackrel{\textstyle \smile}{\!$

OTHER

Are any of	the following	ng other feature	s present	?:
Drums or Ta	inks Head	lframes Tran	ways	Bags Scrap Metal
Trestles	. Wooden Str	uctures Ove	rhead Cab	les Powerlines
Power Subst	ations 1	ransformers	Chemical	s Other
		HAZARD C	ALCULATION	NS.
Environment	al Hazard (F			
5 A =	Commodity (or noted ir noted. Status (Table Size (Table Milling Met Acid potent neutralizir	Table E-1, Envi	the high	column) produced historically est number for commodities sinerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	, ,			
% A = 2 B = 1/2 C = 1/2 D = 1,8F =		Table E-1, Hums le E-2). E-3). E-4). hod (Table E-5) le 9). x C x D x E x		
-				
			ORITY	
Sites the gun on by EH as fo	environmenta	ked for each mo l hazards only.	untain rai Numerica	nge. The FS is presently under al ranking will, therefore, be
Categ Categ	ory A:	EH > 20 EH between 7 a	nđ 20	These are priority sites. These sites should be examined in order of rank after
Categ	ory C:	EH < 7		category A is dealt with. These sites may not need to be

examined.

The category for this site is B.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

14.4/28.8

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

HISTORICAL DATA (con't)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill $igsee$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed _ Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{y}{y}$
Is water being produced from the feature? (y/n) $\underline{\it Y}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
WAR CHANGE
MACHINERY
Is machinery present at the site? $(y/n) \frac{y}{y}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
10
Are any explosives or blasting supplies found on the site? (γ/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road \times 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

	24 ST 1 47 ST 1 4
Are any of the following other features present?:	•
Drums or Tanks Headframes Tramways Bags	Scrap Metal
Trestles Wooden Structures Overhead Cables _	_ Powerlines
Power Substations Transformers Chemicals	Other
HAZARD CALCULATIONS	
Environmental Hazard (EH):	

EH = A x B x C x D x E x F = 14,4

Human Hazard (HH):

A = Commodity (Table E-1, Human column).

B = Status (Table E-2).

J 2 C = Type (Table E-3).

Size (Table E-4).

B = Milling Method (Table E-5).

Access (Table 9).

HH = A x B x C x D x E x F = 28.8

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category B: EH between 7 and 20
Category C: EH < 7

EH > 20

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is B

Category A:

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Uragoon
Primary Name: St. Francis Mine
Alternate Name:
MASDE MILS Table Sequence number:
Date of Report: 8-12-93 Sample number(s): DR /30-/49
LOCATION DATA
State: A2 county: Cochise Township: 175 Range: 236 Section: 13,14
Latitude: N 3/5738 Longitude: W 1095752 Elevation (ft): 5,400
7.5' or 15' Quadrangle Map Name: Cochise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X zinc X Other
Status of Operation:
Past Producer _ Explored Prospect \(\sum \) Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground \(\) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)
•

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite 🔀 Galena 🗡 Marcasite Sphalerite 🔀
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx X
Neutralizing Hoat Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 4 Decline _ Shaft 5 Glory Hole _ Small Fit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Y Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
The same

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \ge$
Is water being produced from the feature? $(y/n) \frac{\gamma}{\gamma}$
If water is present, how does it occur?:
Standing Filled Partly Filled \(\times \) Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color Ckar
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{\textstyle \dot{N}}{\underline{}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amazganaczon byłapinone
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
NORDER
ACCESS
Access is by: Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{N}{2}$

OTHER

· · · · · · · · · · · · · · · ·
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
Human Hazard (HH):
<pre>7 A = Commodity (Table E-1, Human column). / 2 B = Status (Table E-2). , 2 C = Type (Table E-3). / 2 D = Size (Table E-4). / E = Milling Method (Table E-5). / 8F = Access (Table 9). ¹HH = A x B x C x D x E x F = 28.0</pre>
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be $\frac{1}{2} \int_{\mathbb{R}^n} \frac{1}{2} \int_{\mathbb{R$ by EH as follows:

These are priority sites.
These sites should be examined in order of rank after Category A: Category B: EH > 20 EH between 7 and 20 category A is dealt with.
These sites may not need to be Category C: EH < 7 examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{{}^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Jordan Canyon Prospects
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-12-93$ Sample number(s): $DR 57-75$
LOCATION DATA
State: At County: Cochise Township: 175 Range: 23E Section: 4,5
Latitude: N315923 Longitude: W1100125 Elevation (ft): 5,200
7.5' or 15' Quadrangle Map Name: Knob Hill Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper 🔀 Lead Mercury ${f \succeq}$ Zinc ${f \succeq}$ Other
Status of Operation:
Past Producer _ Explored Prospect \(\sum \) Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite \(\sum \) Galena _ Marcasite _ Sphalerite \(\sum \)
Pyrite Y Pyrrhotite Stibnite Other sulfide Limonite Y
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft 6 Glory Hole _ Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed _ Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Z Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ___

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\times \) Lake Bay
Other
Is water present at the feature? (y/n) $\textstyle \mbox{$ \not \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \frac{\gamma}{2}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{N}{N}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{1}{2}$

OTHER

Are any of the following other features present?: Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other ____

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

1.2 B = Status (Table E-2).

Type (Table E-3). 1,2-D = Size (Table E-4).

, E = Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1.2F =

EH = A x B x C x D x E x F = 12.5

Human Hazard (HH):

7 A = Commodity (Table E-1, Human column).

/.2B = Status (Table E-2).

1.2C =Type (Table E-3). 1.2D =Size (Table E-4).

F = Milling Method (Table E-5).

1·8F = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{28.0}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B:

EH between 7 and 20

These are priority sites. These sites should be examined

Category C: EH < 7 in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is 8

 $^{{}^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/31.1

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Primary Name: Gordon Spring Prospects
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-16-93 Sample number(s): D/R 449-460
LOCATION DATA
State: AZ County: Cockiss Township: 185 Range: 23 E Section: 29,23
Latitude: N 3/5/07 Longitude: W/095826 Elevation (ft): 5,360
7.5' or 15' Quadrangle Map Name: Black Diamond PK. Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔀 Copper Lead 🔀 Mercury 🔀 Zinc 🔀 Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \succeq Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite \swarrow Pyrrhotite Stibnite Other sulfide Limonite $\stackrel{\checkmark}{\swarrow}$ Other FeOx $\stackrel{\checkmark}{\searrow}$
Neutralizing Host Rock:
Dolomite Limestone \(\section \) Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Z Glory Hole Small Pit or Trench (< 10 ft) Z
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

```
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __
If water is present, what color is it?:
Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black ___
Other color____
                                   MACHINERY
Is machinery present at the site? (y/n) \underline{\gamma}
Location of Machinery:
Inside Building __ Outside Building __ No Building, Other Location __
Type of Machinery:
Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __
Amalgamation Equipment __ Arrastre __ Ore Bins __ Tanks __ Other ____
                                  EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \bigvee
If present, give type and location
                                    ACCESS
Access is by:
Maintained Road X 4WD Road to < 1/2 mi of site ___
4WD Road > 1/2 mi from site ___ Trail or undrivable Road __ Cross-country __
There is a habitation < 1/2 mi from the site (y/n) \nearrow
```

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ___
                             HAZARD CALCULATIONS
Environmental Hazard (EH):
            Commodity (Table E-1, Environmental column) produced historically
            or noted in analyses. Use the highest number for commodities
            noted.
  /·2 B =
            Status (Table E-2).
   1.7 C =
           Type (Table E-3).
  l \cdot 2D =
            Size (Table E-4).
            Milling Method (Table E-5).
            Acid potential: If any indicator minerals were checked AND
            neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
            EH = A x B x C x D x E x F = 10.4
Human Hazard (HH):
   9 A = Commodity (Table E-1, Human column).
  1, \sum B = Status (Table E-2).
  1.\overline{2} C = Type (Table E-3).
  1.2D = Size (Table E-4).
   / E = Milling Method (Table E-5).
   Z F = Access (Table 9).
            'HH = A x B x C x D x E x F = 3/./
                                   PRIORITY
      Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be
by EH as follows:
```

These are priority sites.

category A is dealt with.

examined.

These sites should be examined in order of rank after

These sites may not need to be

OTRER

The category for this site is $\underline{\underline{\mathcal{S}}}$

Category A:

Category B:

Category C:

EH > 20

EH < 7

EH between 7 and 20

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC $\,$

Management Unit:
Primary Name: Sala Rench Prospects
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-16-93 Sample number(s): DR 461-477
LOCATION DATA
State: 12 County: Cochist Township: 185 Range: 23 Section: 15,22
Latitude: N 3/524/ Longitude: W 1095952 Elevation (ft): 5,400
7.5' or 15' Quadrangle Map Name: Black Diamond PK scale: 7-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔀 Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Z Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

milling method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $lpha$ Other FeOx \geq
Neutralizing Host Rock:
Oolomite Limestone 🗶 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ extstyle extsty$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Is water being produced from the feature? (y/n) If water is present, how does it occur?: Standing __ Filled __ Partly Filled __ Flowing __ Intermittent __

Other ____

Please mark with an X all that apply:

Is water present at the feature? (y/n)

If water is present, what color is it?:

Other	color

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \bigwedge}{}$

Is machinery present at the site? (y/n)

Location of Machinery:

Inside Building __ Outside Building __ No Building, Other Location __

Brown __ Green __ Yellow __ Yellow/orange __ Orange __ Gray/black __

MACHINERY

Type of Machinery:

Flotation Cell __ Retort __ Stamp Mill __ Crusher __ Ball or Rod Mill __ Amalgamation Equipment ___ Arrastre __ Ore Bins __ Tanks __ Other _____

WATER

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

EXPLOSIVES

Are any explosives or blasting supplies found on the site? (y/n)If present, give type and location

ACCESS

Access is by: Maintained Road __ 4WD Road to < 1/2 mi of site 4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __ There is a habitation < 1/2 mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

1.2B =Status (Table E-2). //2c = Type (Table E-3).

1.2D =Size (Table E-4).

Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

EH = AxBxCxDxExF = 10.4

Human Hazard (HH):

Commodity (Table E-1, Human column). 1, 2 B =

Status (Table E-2). 1,2-C = Type (Table E-3).

/ -LD = Size (Table E-4).

) E = Milling Method (Table E-5).

Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B: EH between 7 and 20 These are priority sites. These sites should be examined

Category C:

in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is .

^{&#}x27;Within a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Primary Name: Unnoved Workings
Primary Name: Unnoned Workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-16-93 Sample number(s): DR 442-448
LOCATION DATA
State: A2 County: Och'se Township: 185 Range: 24E section: 31
Latitude: N3/49/0 Longitude: W10956/7 Elevation (ft): 5,460
7.5' or 15' Quadrangle Map Name: Black Diamerd Pack scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium X Copper Z Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (O to 10,000 st) χ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $ ot X$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🔀 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \perp Decline _ Shaft \leq Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) \underline{N}
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\stackrel{\mathcal{V}}{\underline{\hspace{0.5cm}}}$
Is water being produced from the feature? (y/n) $\underline{\nu}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{\mathcal{M}}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
II present, give type and location
ACCESS
Access is by:
Access is by:

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

|.2 B = Status (Table E-2).

|.2 C = Type (Table E-3).

|.2 D = Size (Table E-4).

|.3 E = Milling Method (Table E-5).

|.4 E = Milling Method (Table E-5).

|.5 E = Milling Method (Table E-5).

|.6 E = Milling Method (Table E-5).

|.7 E = Milling Method (Table E-5).

|.8 E = Milling Method (Table E-6).

Human Hazard (HH):

9 A = Commodity (Table E-1, Human column).
1,2 B = Status (Table E-2).
1,2 C = Type (Table E-3).
1,2 D = Size (Table E-4).
1 E = Milling Method (Table E-5).
1,2 F = Access (Table 9).

1 HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is 8.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/28.0

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragod 7 Primary Name: Unnamed working S
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 sample number(s): DR 335-34/
LOCATION DATA
State: A2 County: Cochise Township: 185 Range: 23E Section: 24
Latitude: N 315107 Longitude: W 1095649 Elevation (ft): 6,800
7.5' or 15' Quadrangle Map Name: Black Dianoid Peak Scale: 7-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔀 zinc Other
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $oldsymbol{ imes}$ Other FeOx $oldsymbol{ imes}$
Neutralizing Host Rock:
Dolomite Limestone 🔀 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \perp Decline _ Shaft $\stackrel{>}{ extstyle 3}$ Glory Hole _ Small Pit or Trench (< 10 ft) $\stackrel{\int}{ extstyle 2}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length v Width v Height

IJħ	

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (Y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) $\stackrel{{\cal N}}{=}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{f}{\underline{h}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amazganación Equipment
EIPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \frac{Y}{x}$
If present, give type and location
ACCESS
Access is by: Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{1}{2}$
There is a nabicación < 1/2 mi irom che sice (Y/m/

	3 ' '				
Page 3/4					Page 4/
		•		OTHER	•
	A	re any of	the followin	ng other features pre	sent?:
	ם	rums or Ta	nks Head	lframes Tramways	Bags Scrap Metal
-	T	restles	Wooden St	ructures Overhead	Cables Powerlines
	P	ower Subst	ations 3	Transformers Chem	icals Other
				HAZARD CALCUL	ATIONS
	E	nvironment	al Hazard (1	EH):	
_		6 A =	Commodity or noted in noted.	(Table E-1, Environme n analyses. Use the	ntal column) produced historically highest number for commodities
lack		/·2B = /·2C = /·2D = / E = / F =	Status (Table Type (Table Size (Table Milling Med Acid potent	e E-3). e E-4). thod (Table E-5). tial: If any indicat	or minerals were checked AND present, F = 1.2; otherwise F = 1.
				3 x C x D x E x F = /	_
	F	luman Hazar	d (HH):		
on	`	9 A = 1.2B = 1.2C = 1.2D = 1.8F =	Status (Table Type (Table Size (Table Milling Me	e E-3). e E-4). thod (Table E-5).	umn).
er			'HH = A x F	3 x C x D x E x F = _	28,0
_				PRIORITY	
J		Sites the gun on by EH as fo	environment	nked for each mountai al hazards only. Num	n range. The FS is presently unde erical ranking will, therefore, be
			ory A: ory B:	EH > 20 EH between 7 and 20	in order of rank after
		Categ	ory C:	EH < 7	<pre>category A is dealt with. These sites may not need to b examined.</pre>
-country	2	The categor	y for this	site is <u>B</u> .	

 $^{^{\}mathrm{l}}\underline{\mathrm{Within}}$ a table, take only the highest value as the total value for that table.

10.4/28.0

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Management Unit: <u>Dragoon</u> Primary Name: <u>Uhnamed Sharts</u>
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-/3-93$ Sample number(s): $\mathcal{DR} 329-334$
LOCATION DATA
State: AZ County: Coch, Se Township: 185 Range: 23E Section: 24
Latitude: N 3/5/17 Longitude: W/095647 Elevation (ft): 6,250
7.5' or 15' Quadrangle Map Name: Black Diamond PK. Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔀 Copper 🤾 Lead Mercury 🔀 Zinc 🔀 Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Flant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite \(\times \)
Other reox 🔀
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate `_
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit / Decline _ Shaft S Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

•
Are bodies of water found on or near the site? (y/n) $\frac{N}{n}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \frac{\eta}{}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
10
Is machinery present at the site? (y/n) \overline{Y}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle \sim}{}$
If present, give type and location
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site $\frac{X}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

•		OTHER	
Are any of	the followin	ng other features presen	- ·
Drums or Ta	nks Head	dframes Tramways	Bags Scrap Metal
Trestles	Wooden Str	cuctures Overhead Ca	bles Powerlines
Power Subst	ations T	Transformers Chemica	ls Other
		HAZARD CALCULATION	ons
Environment	al Hazard (E	EH):	
),2 _B = 1,2C = /,2D =	or noted in noted. Status (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use the hig ole E-2). : E-3). : E-4). :hod (Table E-5). :ial: If any indicator	nl column) produced historically thest number for commodities minerals were checked AND tent, F = 1.2; otherwise F = 1.0
Human Hazar	.d (нн):		
-2C = .2D = E =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	e E-3). e E-4). chod (Table E-5). ole 9).	
	'HH = A x B	x C x D x E x F = <u>28</u>	<u>,</u> 0
		PRIORITY	
Sites the gun on by EH as fo	environmenta	nked for each mountain n al hazards only. Numer	range. The FS is presently under loal ranking will, therefore, be
	JOLY B:	EH > 20 EH between 7 and 20 EH < 7	These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.
The categor	ry for this s	site is B .	

 $^{l}\underline{Within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Primary Name: The P't prospect
Primary Name: The Pit prospect
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $8-13-93$ Sample number(a): $DR 262-268$
LOCATION DATA
State: A2 county: Cochise Township: 185 Range: 23 E Section: 12
Latitude: N 31 5256 Longitude: W/09 5707 Elevation (ft): 5 760
7.5' or 15' Quadrangle Map Name: Cochise Stronghold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔀 Copper 🗹 Lead Mercury 💆 Zinc 🔀 Other
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

IIIIAG MELIOU.
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗹 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena Marcasite Sphalerite
yrite Pyrrhotite Stibnite Other sulfide Limonite \begin{align*} ther FeOx \begin{align*} \delta & \
eutralizing Host Rock:
olomite Limestone 🔀 Marble Micrite Sparite
ther Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
dit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
arge Pit (> 10 ft) 👱 Quarry Placer Building Machinery
Sistern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
ther
Condition of site and/or feature
poss the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
open to Entry X Partly Caved Concealed Partly Concealed
collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded _ Partly Eroded _ Intact _ Subsided _
Coundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\frac{\gamma \gamma}{\gamma}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\stackrel{\textstyle \mathcal{N}}{}$
If water is present, how does it occur?:
Standing Z Filled Partly Filled Z Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
· · · · · · · · · · · · · · · · · · ·
Is machinery present at the site? (γ/π) $\stackrel{\textstyle \bigwedge}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (Y/n) $\textstyle \checkmark\!$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{V}{V}$

•	OTHER	
Are any of	the following other features present	£7:
Drums or Ta	anks Headframes Tramways	Bags Scrap Metal
Trestles _	Wooden Structures Overhead Cal	oles Powerlines
Power Subst	cations Transformers Chemica	ls Other
	HAZARD CALCULATIO	ns
Environment	tal Hazard (EH):	
Æ A =	Commodity (Table E-1, Environmental or noted in analyses. Use the high noted.	l column) produced historically nest number for commodities
1,2C= 1,2D= 1,2D= 1E= 1F=	Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator neutralizing hos rocks are not pres	sent, $F = 1.2$; otherwise $F = 1.0$
	¹ EH = A x B x C x D x E x F = 10.	4
Human Hazar	rd (HH);	
9 A = 1,2 B = 1,2 C = 1,2 D = 1 E = 1,8 F =	Commodity (Table E-1, Human column Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Access (Table 9).	
	1 HH = A x B x C x D x E x F = $\frac{28}{}$	0
	PRIORITY	
a !		m. == .
	s will be ranked for each mountain rate environmental hazards only. Numericallows:	
Categ Categ	gory A: EH > 20 gory B: EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
•	gory C: EH < 7	category A is dealt with. These sites may not need to be examined.
The cateran	ry for this site is $\frac{5}{2}$.	
The categor	.y for cuts sice is	

 $^{{}^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

8.7/24.9

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Management Unit: Dragoon Primary Name: EMMA ADIT / Unnamed Adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 Sample number(s): DR 27/-275
LOCATION DATA
State: A2 county: Cochise Township: 185 Range: 23 E section: 12
Latitude: N3/5244 Longitude: W1095711 Elevation (ft): 5,800
7.5' or 15' Quadrangle Map Name: Cochise Stronghold scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium 🗶 Copper 🗶 Lead _ Mercury _ Zinc 🗴 Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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HISTORICAL DATA (con't)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft / Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Y Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

WATED

Are bodies of water found on or near the site? (γ/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{h}{y}$
Is water being produced from the feature? $(y/n) \frac{y}{y}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
^
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site $(y/n) \frac{y_1}{y_2}$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 1, 2 C = Status (Table E-2). Type (Table E-3).
- 1.2D =
- Size (Table E-4).
 Milling Method (Table E-5).
 Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 | F =

Human Hazard (HH):

- \mathcal{E} A = Commodity (Table E-1, Human column).

- / 2B = Status (Table E-2).

 // 2C = Type (Table E-3).

 // 2D = Size (Table E-4).

 // E = Milling Method (Table E-5).

 // EF = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{24.9}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B: EH between 7 and 20

These sites should be examined in order of rank after category A is dealt with. These sites may not need to be

These are priority sites.

EH < 7 Category C:

examined.

Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon
Management Unit: Dragoon Primary Name: Ella prospect
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 Sample number(s): DR 256-258
LOCATION DATA
State: AZ County: Cochise Township: 185 Range: 23 E Section: //
Latitude: N3153/2 Longitude: W1095732 Elevation (ft): 5,800
7.5' or 15' Quadrangle Map Name: Cochige Strong hold Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper \(\sum_{\text{lead}} \) Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\stackrel{\checkmark}{\succeq}$ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Harcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite & Other FeOx &
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length $__$ x Width $__$ x Height $__$

n	1	z	к

· A
Are bodies of water found on or near the site? $(y/n) \frac{V}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \frac{N}{}$
Is water being produced from the feature? $(y/n) \stackrel{\mathcal{N}}{=}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
A CONTRACTOR OF THE CONTRACTOR
Is machinery present at the site? (y/n) \underline{N}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle \textstyle \bigcap}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{1}{2}$

			OTHER	
Are any of	the following	g other featur	ces present	?:
Drums or Ta	nks Head	frames Tra	amways	Bags Scrap Metal
Trestles	. Wooden Str	uctures 0	verhead Cab	les Powerlines
Power Subst	ations 1	ransformers _	Chemical	s Other
		HAZARD	CALCULATIO	พร
Environmental Hazard (EH):				
	or noted in noted. Status (Tab. Type (Table Size (Table Milling Met Acid potent neutralizin	le E-2). EE-3). E-4). hod (Table E-5 ial: If any i	se the high i). Indicator mesor of the contract of the contr	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazard (HH):				
A = /.2C = /.2C = /.2	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5	5).	
		PR	LIORITY	
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
		EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after
Categ	ory C:	EH < 7		category A is dealt with. These sites may not need to be examined.

The category for this site is 8.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Primary Name: Unraned Adit
Primary Name: Unraned Adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 Sample number(s): DR 345-347
LOCATION DATA
state: 12 county: Cochise Township: 185 Range: 23E Section: 23
Latitude: N315101 Longitude: W1095731 Elevation (ft): 6,080
7.5' or 15' Quadrangle Map Name: Black Diamond PK. scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper Lead Mercury zinc X Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect _ Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

filling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite \sum
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🔀 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{h}{V}$
Is water being produced from the feature? (y/n) $\frac{i\gamma}{i}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\frac{N}{}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) h
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) η

OTHER

```
Are any of the following other features present7:

Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __

Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __

Power Substations __ Transformers __ Chemicals __ Other ______
```

HAZARD CALCULATIONS

Environmental Hazard (EH):

Human Hazard (HE):

7 A = Commodity (Table E-1, Human column).

1 B = Status (Table E-2).

1/2 C = Type (Table E-3).

1/2 D = Size (Table E-4).

1 E = Milling Method (Table E-5).

1/8 F = Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is 8

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Dragoon Primary Name: Un name Adit
Primary Name: Un hamed Ad, T
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-12-93 Sample number(s): DR 127-184
LOCATION DATA
State: AZ County: Cochise Township: 185 Range: 23 E Section: 3
Latitude: N3/533/ Longitude: W/095834 Elevation (ft): 6.600
7.5' or 15' Quadrangle Map Name: Coch,'se Stronghold scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔀 Zinc 🔀 Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\sum \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite \(\sum \) Stibnite Other sulfide Limonite \(\sum \)
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \searrow$
Mark all conditions that apply:
Open to Entry Z Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \frac{y}{y}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{1}{2}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
1.
Is machinery present at the site? (y/n) $\frac{N}{x}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{1}{1}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site $\frac{\times}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) h

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

C A = Commodity (Table E-1, Environmental column) produced historically
or noted in analyses. Use the highest number for commodities
noted.

| B = Status (Table E-2).
|/.2C = Type (Table E-3).
|/.2D = Size (Table E-4).
|/ E = Milling Method (Table E-5).
|/ F = Acid potential: If any indicator minerals were checked AND
neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
| EH = A x B x C x D x E x F = | S.C.

Human Hazard (HH):

7 A = Commodity (Table E-1, Human column).

7 B = Status (Table E-2).

7 2 C = Type (Table E-3).

7 E = Size (Table E-4).

8 f = Milling Method (Table E-5).

Access (Table 9).

1 HH = A x B x C x D x E x F = 23.3

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Page 2/4

Management Unit: Dragoon
Primary Name: Whnamed Short
Alternate Name:
MASDE MILS Table Sequence number:
Date of Report: 8-16-93 sample number(s): DR 353
LOCATION DATA
State: At county: Coch'se Township: 185 Range: 23E Section: 25
Latitude: N3/50/3 Longitude: W/095642 Elevation (ft): 5,860 7.5' or 15' Quadrangle Map Name: Black Diana JPK Scale: 7-5
7.5' or 15' Quadrangle Map Name: Black Dianon & PK Scale: 7-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) K Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill $ ot \succeq$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $_$ Decline $_$ Shaft $ imes$ Glory Hole $_$ Small Pit or Trench (< 10 ft) $_$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 🗶 Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) $\overline{\mathcal{V}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \frac{h}{y}$
Is water being produced from the feature? $(y/n) \stackrel{\nearrow}{\underline{\hspace{1cm}}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{N}{\longrightarrow}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle {\cal M}}{=}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n)

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2).
Human Hazard (HH):
'A = Commodity (Table E-1, Human column). 'B = Status (Table E-2). 'A C = Type (Table E-3). 'A D = Size (Table E-4). 'E = Milling Method (Table E-5). 'KF = Access (Table 9). 'HH = A x B x C x D x E x F = 2.6
PRIORITY

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Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

These sites should be examined in order of rank after category A is dealt with.

These sites may not need to be examined.

The category for this site is _____.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Dragoon
Primary Name: Unnorald Shaft
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-13-93 Sample number(s): DR 269
LOCATION DATA
State: A2 County: Cochise Township: 185 Range: 23 E Section: 11,12
Latitude: N 315248 Longitude: W1095729 Elevation (ft): 6,000
7.5' or 15' Quadrangle Map Name: Cochise Stronghold scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect \(\subset Developed Prospect
Status Unknown
Type of Operation:
Surface Underground \(\sum \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx 🔏
Neutralizing Host Rock:
Dolomite Limestone 🗡 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft \(\sum \) Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{V}}$
Is water being produced from the feature? (y/n) $\frac{i\gamma}{i}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown _ Green _ Yellow _ Yellow/orange _ Orange _ Gray/black _
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle \mbox{\sc in}}{}$
If present, give type and location
it present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{h}{}$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2).
Human Hazard (HH);
/ A = Commodity (Table E-1, Human column). / B = Status (Table E-2). / 2 C = Type (Table E-3). / 2 D = Size (Table E-4). / E = Milling Method (Table E-5). / 3F = Access (Table 9). 1HH = A x B x C x D x E x F = 2.6
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B: EH > 20 EH between 7 and 20 Category C: EH < 7

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is

 $^{{}^{}i}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Durana
Management Unit: Dragoon
Primary Name: McDaniels Cut Prospect
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 8-/3-93 Sample number(s): DR 254-255
LOCATION DATA
State: AR County: Cochise Township: 185 Range: 23 = section: 11
Latitude N3/53/7 Longitude: W 1095739 Elevation (ft): 5,766
7.5' or 15' Quadrangle Map Name: Coch'se Stronghold scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\sum_{\circ} \) Developed Prospect _
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground \(\sumeq \) Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $\overline{\chi}$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone \overline{X} Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ imes$ Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 🔀 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall 🔀 Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Partly Caved X Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

_ x Width ____ x Height ____

--

Are bodies of water found on or near the site? $(y/n) \stackrel{V}{\longrightarrow}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (γ/n) \underline{h}
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? $(y/n) \stackrel{N}{=}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amangamacton Equipment Artustre ote Bins Tanks other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
NORGE
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\frac{y}{1}$

OTHER

Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			Bags Scrap Metal
Trestles	Wooden Str	uctures Overhead	Cables Powerlines
Power Subst	ations T	Fransformers Chem	cals Other
		HAZARD CALCULA	TIONS
Environment	al Hazard (E	EH):	
1-2 C =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use the lole E-2). EE-3). E-4). Shod (Table E-5). Sial: If any indicate	ntal column) produced historically highest number for commodities or minerals were checked AND present, F = 1.2; otherwise F = 1.0
Human Hazar	d (HH):		
A =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E=3). E=4). Shod (Table E-5).	
			
		PRIORITY	
Sites the gun on by EH as fo	environmenta	ked for each mountair I hazards only. Nume	range. The FS is presently under crical ranking will, therefore, be
		EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7	These sites may not need to be examined.

The category for this site is _____.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

GALIURO

17.3/20.8

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Galiuro
Primary Name: Powers Mine
Alternate Name:
MASDB MILS Table Sequence number: 004009023/
Date of Report: 8-5-93 Sample number(s):
LOCATION DATA
State: A county: Graham Township: 105 Range: 205 Section: 6
Latitude: N 32 35 33 Longitude: W/09 20 38 Elevation (ft): 1,620
7.5' or 15' Quadrangle Map Name: Rasset Peak Scale: 7.5
Mining or Mineral District: Rattleshake
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _ Mercury _ Zinc _ Other _X
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp, Flotation
Jig Plant Retort No Mill Unknown X
Acid Froducing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite 🔀
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline _ Shaft 3 Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (γ/n) \checkmark
Mark all conditions that apply:
Open to Entry Z Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Taraba a Mainh

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()	
Q	

WATER
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\sum \) Lake Bay
Other
Is water present at the feature? $(y/n) \frac{h}{y}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

			OTHER	
Are any of the following other features present?:				
Drums or Ta	nks Head	frames Tr	атмаув В	Sags Scrap Metal
Trestles	Wooden Str	uctures _ 0	verhead Cab	les Powerlines
Power Subst	ations T	ransformers _	_ Chemical:	Other
		HAZARD	CALCULATION	s
		manus	OI III OU III II II II	-
Environment	al Hazard (E	H):		
5A = 2B = 1.2C =	or noted in noted. Status (Tab Type (Table	analyses. U le E-2). E-3).	vironmental se the high	column) produced historically est number for commodities
/.2D = /E =	Size (Table	E-4). hod (Table E-	5).	
1.2F =	Acid potent	ial: If any	indicator ma	inerals were checked AND ent, F = 1.2; otherwise F = 1.0
		-	_	
	$^{1}EH = A \times B$	x C x D x E z	x F = 777	•
Human Hazard (HH):				
1.2C = 1.2D = E =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E- le 9).	5).	
	$^{1}HH = A \times B$	x C x D x E :	x F =	
		P	RIORITY	
	environmenta			nge. The FS is presently under al ranking will, therefore, be
Categ Categ		EH > 20 EH between 7	' and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Cateo	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is 8.



 $^{{}^}t\!\underline{Within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Galiuro
Primary Name: Long Ton Mine
Alternate Name:
MASDB MILS Table Sequence number: 0040090/95
Date of Report: $8-5-93$ sample number(s):
LOCATION DATA
State: At County: Graham Township: 105 Range: 20 E Section: 7
Latitude: N3234 36 Longitude: W //O 20 / 2 Elevation (ft): 5,880
7.5' or 15' Quadrangle Map Name: Basset Peak Scale: 7.5
Mining or Mineral District: Rattle Smake
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $_$ Surface and Underground $\overset{\checkmark}{ extstyle extsty$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ imes$ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite 🔀
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\stackrel{ extstyle 2}{=}$ Decline $\stackrel{ extstyle 2}{=}$ Shaft $\stackrel{ extstyle 1}{=}$ Glory Hole $\stackrel{ extstyle 2}{=}$ Small Pit or Trench (< 10 ft) $\stackrel{ extstyle 1}{=}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
menden v ureen v nerdue ,

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle N}{\longrightarrow}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\textstyle \not \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!\!\!\!\!\!\!\!$
Is water being produced from the feature? (y/n) $\frac{\mathcal{H}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country
The hold $x = 1/2$ mi from the gite (y/n)

		OTHER	
Are any of	the followin	g other features prese	nt?:
Drums or Ta	nks Head	frames Tramways	Bags Scrap Metal
Trestles	. Wooden Str	uctures Overhead C	ables Powerlines
Power Subst	ations T	ransformers Chemic	als Other
		HAZARD CALCULATI	ONS
		millio cinomit	
Environment	al Hazard (E	H):	
5 A =	Commodity (or noted in noted. Status (Tab	analyses. Use the hi	al column) produced historically ghest number for commodities
1,2c =	Type (Table Size (Table	E-3).	
1,2D =	Size (Table	e E-4). Shod (Table E-5).	
1,2F=	Acid potent	ial: If any indicator	minerals were checked AND
	neutralizin	ig hos rocks are not pr	esent, $F = 1.2$; otherwise $F = 1.0$
	$^{1}EH = A \times B$	x C x D x E x F = 17.	_3
Human Hazar	:(HH):		
6 A =	Commodity (Table E-1, Human colum ble E-2).	n).
1,20=	Status (Tab Type (Table Size (Table	E-3).	
, .2 D =	Size (Table	e E-4). :hod (Table E-5).	
	Access (Tab		
,,		x C x D x E x F = 20	·/8
	HH = A X B	X C X D X E X F ~	
		PRIORITY	
Sites	will be ran	nked for each mountain	range. The FS is presently under
the gun on by EH as fo	environmenta llows:	il hazards only. Numer	ical ranking will, therefore, be
Cated	jory A:	EH > 20	These are priority sites.
Cate	gory B:	EH between 7 and 20	
			in order of rank after category A is dealt with.
Cate	gory C:	EH < 7	These sites may not need to be examined.

 $[\]ensuremath{^{|}\mbox{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Gal/ard
Management Unit: Gallard Primary Name: Gold Now Tain Mine
Alternate Name:
MASDB MILS Table Sequence number: 0040090142
Date of Report: 8-5-93 Sample number(s): 6A 8-2/
LOCATION DATA
State: A2 County: Graham Township: 95 Range: 20 E Section: 31
Latitude: N 323626 Longitude: W/102037 Elevation (ft): 5,360
7.5' or 15' Quadrangle Map Name: Basset Peak scale: 7-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer _ Explored Prospect \(\sum \) Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground \(\Leq \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) K Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Fad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) μ
Mark all conditions that apply:
Open to Entry Y Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ___

WATER
Are bodies of water found on or near the site? $(y/n) \checkmark$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing X Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown X Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) h
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{N}{N}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country

There is a habitation < 1/2 mi from the site (y/n) $\frac{y}{}$

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap.Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>6 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /.2B = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). / E = Milling Method (Table E-5). /.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre> <pre></pre>
Human Hazard (HH):
<pre>7 A = Commodity (Table E-1, Human column). //2 B = Status (Table E-2). //2 C = Type (Table E-3). //2 D = Size (Table E-4). // E = Milling Method (Table E-5). //2F = Access (Table 9). HH = A x B x C x D x E x F = 18.</pre>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be

by EH as follows:

Category A: Category B: EH > 20 These are priority sites.
These sites should be examined EH between 7 and 20 in order of rank after category A is dealt with. These sites may not need to be Category C: EH < 7 examined.

The category for this site is $\overline{\beta}$.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: <u>Galiuro</u>
Primary Name: Sixteen-To-one Mine
Alternate Name:
MASDB MILS Table Sequence number: 00400903/9
Date of Report: 8-5-93 Sample number(s):
LOCATION DATA
State: At County: Graham Township: 105 Range: 19 E Section: 10
Latitude: W32342/ Longitude: W 1/0 2253 Elevation (ft): 4200
7.5' or 15' Quadrangle Map Name: Kielberg Conyon Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead Mercury Zinc Other X
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $ imes$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 4 Decline _ Shaft 3 Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length $_$ x Width $_$ x Height $_$.

WATER
are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🗡 Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
FACTIVER
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $ imes$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\overline{\mathcal{N}}$

are any of the following other features present?:
rums or Tanks Headframes Tramways Bags Scrap Metal
restles Wooden Structures Overhead Cables Powerlines
Ower Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. .2 B = Status (Table E-2). .2 C = Type (Table E-3). .2 D = Size (Table E-4). E = Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
Numan Hazard (HH):
Commodity (Table E-1, Human column). 1,2 B = Status (Table E-2). 1,2 C = Type (Table E-3). 1,2 D = Size (Table E-4). 1, E = Milling Method (Table E-5). 1,8F = Access (Table 9). 1HH = A x B x C x D x E x F = 15-6

OTHER

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20
Category B: EH between 7 and 20

EH < 7

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathcal{S}}$.

Category C:

 $^{{}^{\}mbox{\sc Within}}$ a table, take only the highest value as the total value for that table.

110,4

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Ga//uro
Primary Name: Jackson Mine + Vicinity
Alternate Name:
MASDB MILS Table Sequence number: 0040090/8/
Date of Report: 8-5-93 Sample number(s):
LOCATION DATA
State: A2 County: Graham Township: 115 Range: 200 Section: 9, 4,15,16
Latitude: N322948 Longitude: W//0/849 Elevation (ft): 4,800
7.5' or 15' Quadrangle Map Name: CHerry Spring PH. Scale: >.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper 🔀 Lead Mercury Zinc Other 🔀
Status of Operation:
Past Producer $_$ Explored Prospect \underline{X} Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface $oldsymbol{\bot}$ Underground $oldsymbol{\bot}$ Surface and Underground $oldsymbol{\succeq}$ Mineral Location $oldsymbol{\bot}$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \overline{X} Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)
· -

Amalgamation ___ Arrastre __ Gravity __ Crusher only __ Heap Leach __ CIP __ Cyanidation __ Stamp __ Flotation __ Leach ___ No Mill X Jig Plant __ Retort __ Unknown ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite \(\times \) Other FeOx ___ Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit 3 Decline _ Shaft 8 Glory Hole _ Small Pit or Trench (< 10 ft) Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) \sum Mark all conditions that apply: Open to Entry X Partly Caved X Concealed _ Partly Concealed _

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __
Unstable Wall X Eroded __ Partly Eroded __ Intact __ Subsided __

Length ____ x Width ___ x Height

Foundation __ Prone to Wind Erosion __ Other ____

Size of Feature (ft)

HISTORICAL DATA (con't)

Milling Method:

그 보 생생님 선생이다

WATER

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $_$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

| .2 B = Status (Table E-2).

| .2 C = Type (Table E-3).

| .2 D = Size (Table E-4).

| E = Milling Method (Table E-5).

| Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

| EH = A x B x C x D x E x F = | O . | 4

Human Hazard (HH):

A = Commodity (Table E-1, Human column).

/ 2 B = Status (Table E-2).

/ 2 C = Type (Table E-3).

/ 2 D = Size (Table E-4).

/ E = Milling Method (Table E-5).

/ 2 F = Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is ______.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

HUACHUCA

							page
							•
Huachuca	Arrow Group	HU011	N312906	W1102509	20.7	Α	E131
Huachuca	Tungsten Reef	HU092-HU097	N312536	W1101717	20.7	A	E133
Huachuca	Wakefield	HU258-HU269	N312416	W1102053	20.7	Α	E135
Huachuca	Eureka	HU024, HU025	N312544	W1102246	20.7	A	E137
Huachuca	Armistace	HU118, HU119	N312430	W1101545	20.7	A	E139
Huachuca	Lucky Strike	HU060, HU061	N312749	W1101901	20.7	Α	E141
Huachuca	Copper Glance	HU037-HU044	N312516	W1102129	20.7	Α	E143
Huachuca	Tako #9	HU148-HU187	N312214	W1101739	20.7	Α	E145
_Huachuca	Morgan	HU130-HU133	N312205	W1101528	20.7	Α	E147
Huachuca	Cave	HU198-HU211	N312257	W1101921	17.3	В	E149
Huachuca	Power claim	HU098-HU109	N312444	W1101712	17.3	В	E151
Huachuca	James Group	HU050-HU059	N312707	W1102004	17.3	В	E153
Huachuca	Samson claim	HU188,HU189	N312210	W1101735	17.3	В	£155
Huachuca	Lutz Tunnel	HU138-HU147	N312301	W1101712	17.3	В	E157
Huachuca	Western Tungsten	HU228-HU232	N312405	W1101927	17.3	В	E159
Huachuca	Baumkirchner	HU120-HU125	N312400	W1101449	15.6	В	E161
Huachuca	Unnamed workings	HU028-HU036	N312523	W1102140	15.6	В	E163
Huachuca	Huachuca claims	HU087-HU089	N312533	W1101544	12.4	В	E165
Huachuca	Unnamed adits	HU194-HU196	N312203	W1101826	12.4	8	E167
Huachuca	Unnamed workings	HU081-HU086	N312546	W1101536	12.4	В	E169
Huachuca	Unnamed workings	HU135-HU137	N312222	W1101654	12.4	В	E171
Huachuca	Unnamed adit	HU191~HU193	พ312152	W1101748	12.4	В	E173
Huachuca	Unnamed workings	HU126-HU128	N312230	W1101539	12.4	В	E175
Huachuca	Oversite	HU212-HU216	N312349	W1101854	12.4	В	£177
Huachuca	Joe Bailey prospect & vicinity	HU009, HU010	N312928	W1102621	10.4	В	E179
Huachuca	Thomas Tungsten claims	HU062, HU063	N312730	W1101858	10.4	В	EISI
Huachuca	Unnamed working	HU134	N312204	W1101558	10.4	В	E183
Huachuca	Unnamed adit	HU026, HU027	N312608	W1102225	10.4	В	E185
Huachuca	Unnamed adit	HU 19 0	N312133	W1101726	10.4	В	E187
Huachuca	Unnamed working	HU257	N312356	W1102134	08.6	В	E189
Huachuca	Pleasant View claims	HU064-HU071	N312726	W1101831	08.6	В	E191_
Huachuca	Unnamed workings	HU072-HU075	N312659	W1101702	08.6	В	£193

Management Unit: <u>Huachusa</u>
Primary Name: Arrow Group
Alternate Name: Lucky Day, East wind
MASDB MILS Table Sequence number: 0040030695
Date of Report: 12/31/93 Sample number(s): HU 0/1
LOCATION DATA
State: Az County: Cochise! Township: 225 Range: 19 E Section: 28
Latitude: N3 29 06 Longitude: 6 1/0 25 09 Elevation (ft): 6/00
7.5' or 15' Quadrangle Map Name: Hugchucg Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury _A' Zinc Other _VV_
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🛵 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena 🔏 Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
width y Height

Are bodies of water found on or near the site? (y/n) \underline{N}
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) \underline{N}
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \underline{N}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{M}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < $1/2$ mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \underline{N}

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. ZB = Status (Table E-2). /-2C = Type (Table E-3). /-2 D = Size (Table E-4). E = Milling Method (Table E-5). /-ZF = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.6 EH = A x B x C x D x E x F = 20.7
Human Hazard (HH):
<pre>G A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). [.2C = Type (Table E-3). [.2D = Size (Table E-4). [.E = Milling Method (Table E-5). [.GF = Access (Table 9).</pre> THH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is A.

 $^{^{\}mathrm{l}}\underline{\mathrm{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachuca
Primary Name: Tungsten Rept
Alternate Name: Sitruc
MASDB MILS Table Sequence number: 004003 0202
Date of Report: 12/31/96 Sample number(s): HUQ92-HUC97
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 206 Section: 14
Latitude: N31 25 36 Longitude: W/10 17 17 Elevation (ft): 7240
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Roef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other W
Status of Operation:
Past Producer \underline{X} Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $_$ Surface and Underground $\mathcal X$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 3 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 2 Quarry _ Placer _ Building X Machinery _
Cistern $_$ Solution Mining Well $_$ Mine Dump X Mill Tailings $_$
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Mark all conditions that apply:
Open to Entry _X Partly Caved _X Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\frac{N}{N}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amargamaton Squipment
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\not\square$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \triangle

```
OTHER
Are any of the following other features present?:
Drums or Tanks 💢 Headframes __ Tramways 🗶 Bags __ Scrap Metal 🛕
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ___
                               HAZARD CALCULATIONS
Environmental Hazard (EH):
     GA = Commodity (Table E-1, Environmental column) produced historically
            or noted in analyses. Use the highest number for commodities
  otatus (Table E-2)

1.2C = Type (Table E-3).

1.2D = Size (Table E-4).

1.2F = Milling Method (**).
            Status (Table E-2).
            Milling Method (Table E-5).
            Acid potential: If any indicator minerals were checked AND
            neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
            'EH = A x B x C x D x E x F = 20.7
Human Hazard (HH):
    9A =
            Commodity (Table E-1, Human column).
    2B = Status (Table E-2).
   1.2C =
            Type (Table E-3).
   1,20 = Size (Table E-4).
   / E = Milling Method (Table E-5).
// E = Access (Table 9).
            'HH = A x B x C x D x E x F = 46.7
```

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with. EH < 7 Category C: These sites may not need to be examined.

The category for this site is A.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: <u>Huachocq</u>
Primary Name: Wake field
Alternate Name:
MASDB MILS Table Sequence number: 009 003 0226
Date of Report: 12/31/93 Sample number(s): HU 258-HU269
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20 E Section: 30
Latitude: N312416 Longitude: W110 20 53 Elevation (ft): 6300
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: <u>New Reef</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury _X Zinc Other
Status of Operation:
Past Producer 💥 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Flant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite X Galena X Marcasite _ Sphalerite _
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \sum_{i=1}^{n} y/i = 1$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other deep shaft
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing _ Filled _ Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

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Are any of	the follow:	ing other fea	tures presen	t?:
Drums or Ta	nks Hea	adframes	Tramways	Bags Scrap Metal
Trestles	Wooden St	cructures	Overhead Ca	bles Powerlines
Power Subst	ations	Transformers	Chemica	ls Other
		HAZA	RD CALCULATI	ONS
Environment	al Hazard	(EH):		
	or noted;	in analyses. able E-2). le E-3).	Environmenta Use the hig	l column) produced historically thest number for commodities
1 E =	Milling Me Acid poter	ethod (Table ntial: If a	ny indicator	minerals were checked AND seent, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times$	BxcxDx	Exf = 20.7	- -
Human Hazar	d (HH):			
!,2D = /E =	Status (Tab. Type (Tab. Size (Tab.	le E-4). ethod (Table		١).
	$^{I}HH = A \times$	B x C x D x	Exf = <u>46.</u>	7
			PRIORITY	
Sites the gun on by EH as fo	environmen	anked for eac tal hazards o	ch mountain r	range. The FS is presently under cal ranking will, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between	n 7 and 20	These are priority sites. These sites should be examined in order of rank after
Categ	ory C:	EH < 7		category A is dealt with. These sites may not need to be examined.
The categor	v for this	site is A	·•	

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachuca
Primary Name: Eureka
Alternate Name:
MASDB MILS Table Sequence number: 0040030135
Date of Report: 12/31/93 Sample number(s): HU024 HU025
LOCATION DATA
State: Az County: Cochise Township: Z35 Range: 19E Section: 4
Latitude: N3125 44 Longitude: 110 22 46 Elevation (ft): 6600
7.5' or 15' Quadrangle Map Name: Hyorniva Peak Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper & Lead X Mercury _ Zinc _ Other Ag.
Status of Operation:
Past Producer \underline{X} Explored Prospect $\underline{\hspace{0.1cm}}$ Raw Prospect $\underline{\hspace{0.1cm}}$ Developed Prospect $\underline{\hspace{0.1cm}}$
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 💢 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit / Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\Delta\!$
Mark all conditions that apply:
Open to Entry Partly Caved 🗶 Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N		
Please mark with an X all that apply:		
Stream River Pond Intermittent Stream Lake Bay		
Other		
Is water present at the feature? (y/n) N		
Is water being produced from the feature? (y/n)		
If water is present, how does it occur?:		
Standing Filled Partly Filled Flowing Intermittent		
If water is present, what color is it?:		
Brown Green Yellow Yellow/orange Orange Gray/black		
Other color		
MACHINERY		
Is machinery present at the site? (y/n) Δr		
Location of Machinery:		
Inside Building Outside Building No Building, Other Location		
Type of Machinery:		
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill		
Amalgamation Equipment Arrastre Ore Bins Tanks Other		
EXPLOSIVES		
Are any explosives or blasting supplies found on the site? (y/n)		
If present, give type and location		
ACCESS		
Access is by:		
Maintained Road 4WD Road to < 1/2 mi of site		
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country		
There is a habitation < 1/2 mi from the site (y/n) \triangle /		

OTHERD

	OTHER	
Are any of the follow	ing other features pres	ent?:
Drums or Tanks He	adframes Tramways _	_ Bags Scrap Metal
Trestles Wooden S	tructures Overhead	Cables Powerlines
Power Substations	Transformers Chemi	cals Other
	HAZARD CALCULA	rions
Environmental Hazard	(EA):	
or noted noted. 2B = Status (7 .2C = Type (Tak .2D = Size (Tak .2D = Size (Tak .2D = Milling .2F = Acid pote neutraliz	in analyses. Use the hable E-2). le E-3). le E-4). lethod (Table E-5). ntial: If any indicato	tal column) produced historically tighest number for commodities or minerals were checked AND present, F = 1.2; otherwise F = 1.0
Human Hazard (HH):		
2 B = Status (1 1.2C = Type (Tab 1.2D = Size (Tab	le E-4). ethod (Table E-5).	mn).
$^{1}HH = A \times$	B x C x D x E x F = 4/	<u>-5</u>
	PRIORITY	
Sites will be r the gun on environmer by EH as follows:	anked for each mountain	range. The FS is presently under rical ranking will, therefore, be
Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is A.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Hvachucq
Primary Name: Armistace
Alternate Name: Short
MASDE MILS Table Sequence number: O0403 0094
Date of Report: 12/31/93 Sample number(s): HU118 HU119
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20 E Section: 25
Latitude: N31 24 30 Longitude: W/10 /5 45 Elevation (ft): 5500
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead _X Mercury Zinc Other Ao
Status of Operation:
Past Producer 🗶 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $\overset{\sim}{\square}$ Surface and Underground $\overset{\bigstar}{K}$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\underline{\chi}$ Small to Medium (10,000 to 250,000 st) $\underline{}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena 💢 Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft 2 Glory Hole Small Pit or Trench (< 10 ft) 2
Large Pit (> 10 ft) 2 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\Lambda}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Shufts clased
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N		
Please mark with an X all that apply:		
Stream River Pond Intermittent Stream Lake Bay		
Other		
Is water present at the feature? (y/n) \triangle		
Is water being produced from the feature? (γ/n) ΔJ		
If water is present, how does it occur?:		
Standing Filled Partly Filled Flowing Intermittent		
If water is present, what color is it?:		
Brown Green Yellow Yellow/orange Orange Gray/black		
Other color		
MACHINERY		
Is machinery present at the site? (y/n) N		
Location of Machinery:		
Inside Building Outside Building No Building, Other Location		
Type of Machinery:		
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill		
Amalgamation Equipment Arrastre Ore Bins Tanks Other		
EXPLOSIVES		
Are any explosives or blasting supplies found on the site? (y/n) N		
If present, give type and location		
ACCESS		
Access is by:		
Maintained Road 4WD Road to < 1/2 mi of site		
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country		
There is a habitation < 1/2 mi from the site (y/n) M		

OTHER		
Are any of the following other features present?:		
Drums or Tanks Headframes Tramways Bags Scrap Metal		
Trestles Wooden Structures Overhead Cables Powerlines		
Power Substations Transformers Chemicals Other		
HAZARD CALCULATIONS		
Environmental Hazard (EH):		
<pre></pre>		
Human Hazard (HH):		
& A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1,2C = Type (Table E-3). 1,2D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1,2F = Access (Table 9). HH = A x B x C x D x E x F = 41.5		
PRIORITY		
Sites will be ranked for each mountain range. The FS is presently under		

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is _A_.

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Hoachuca
Primary Name: Lucky Strike
Alternate Name:
MASDB MILS Table Sequence number: 0040030175
Date of Report: 12/31/93 Sample number(s): 40060 1406/
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20E Section: 4
Latitude: <u>N 31 27 49</u> Longitude: <u>W 110 19 01</u> Elevation (ft): <u>5 400</u>
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _ Mercury * Zinc _ Other * W
Status of Operation:
Past Producer X Explored Prospect $\underline{\hspace{0.1cm}}$ Raw Prospect $\underline{\hspace{0.1cm}}$ Developed Prospect $\underline{\hspace{0.1cm}}$
Status Unknown
Type of Operation:
Surface _ Underground _, Surface and Underground χ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \perp Decline $_$ Shaft \perp Glory Hole $_$ Small Pit or Trench (< 10 ft) $\cancel{\chi}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed 👱 Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Shaft?
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle {\cal N}}{}$	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream Lake Bay	
Other	
Is water present at the feature? (y/n) \cancel{N}	
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$	
If water is present, how does it occur?:	
Standing Filled Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
Other color	
MACHINERY	
Is machinery present at the site? (y/n) N	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) N	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road 4WD Road to < 1/2 mi of site	
4WD Road > 1/2 mi from site χ Trail or undrivable Road Cross-country	
There is a habitation < $1/2$ mi from the site (y/n) N	

OTHER			
Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
<pre>GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. ZB = Status (Table E-2). /.Zc = Type (Table E-3). /.D = Size (Table E-3). /.E = Milling Method (Table E-5). /.ZF = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre> 'EH = A x B x C x D x E x F = 20.7			
Human Hazard (HH):			
<pre>q A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). j.2c = Type (Table E-3). j.2D = Size (Table E-4). iE = Milling Method (Table E-5). j.4F = Access (Table 9). 'HH = A x B x C x D x E x F = 36.3</pre>			

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	<pre>category A is dealt with. These sites may not need to be examined.</pre>

The category for this site is A.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite $ \downarrow $ Pyrrhotite Stibnite Other sulfide $ \chi $ Limonite $ \chi $
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\mathfrak L$ Decline Shaft $\mathcal L$ Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other Winte
Size of Feature (ft)
The state of the s

Are bodies of water found on or near the site? (y/n) \dot{N}	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream Lake Bay	
Other	
Is water present at the feature? (y/n) \checkmark	
Is water being produced from the feature? (y/n)	
If water is present, how does it occur?:	
Standing X Filled X Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
other color Unknown	
MACHINERY	
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road 4WD Road to < 1/2 mi of site	
4WD Road > 1/2 mi from site Trail or undrivable Road _X Cross-country	
There is a habitation < 1/2 mi from the site (y/n) N	

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- 6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- 2B =Status (Table E-2). /.2c =
- Type (Table E-3).
- (.40 = Size (Table E-4).
- 1E =
- Milling Method (Table E-5).
 Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

Human Hazard (HH):

- 1.2C = Type (Table E-3). 1.7D = Size (Table E-4).
- /E = Milling Method (Table E-5). 1.2F = Access (Table 9).

HH = A x B x C x D x E x F = 31.1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B:

EH between 7 and 20

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

Category C: EH < 7

The category for this site is A.

 $^{{}^{}t}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachucq
Primary Name: Tako #9
Alternate Name: Walter & Mildred
MASDB MILS Table Sequence number: 009003 0569
Date of Report: 12/3/43 Sample number(s): HU/48-HU/87
LOCATION DATA
State: Az County: Cochine Township: 245 Range: 20 Section: 3
Latitude: N 31 22 14 Longitude: W110 17 39 Elevation (ft): 6860
7.5' or 15' Quadrangle Map Name: Montezumo Puss Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc X Other Ag
Status of Operation:
Past Producer 💢 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground & Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite _X Galena Marcasite Sphalerite _X
Pyrite Pyrrhotite Stibnite Other sulfide _X Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Brosion Other winzes
Size of Feature (ft)
Length x Width x Height
Dengen ^ "Auen ^ "

Are bodies of water found on or near the site? (y/n)						
Please mark with an X all that apply:						
Stream River Pond Intermittent Stream Lake Bay						
other spring						
Is water present at the feature? (y/n) Y						
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$						
If water is present, how does it occur?:						
Standing X Filled X Partly Filled Flowing Intermittent						
If water is present, what color is it?:						
Brown Green Yellow Yellow/orange Orange Gray/black						
Other color un Known						
MACHINERY						
Is machinery present at the site? (γ/n) M						
Location of Machinery:						
Inside Building Outside Building No Building, Other Location						
Type of Machinery:						
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill						
Amalgamation Equipment Arrastre Ore Bins Tanks Other						
EXPLOSIVES						
Are any explosives or blasting supplies found on the site? (y/n)						
If present, give type and location						
200700						
ACCESS						
Access is by:						
Maintained Road 4WD Road to < 1/2 mi of site						
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country						
There is a habitation < 1/2 mi from the site (y/n) N						

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2B = Status (Table E-2). 1,2C = Type (Table E-3). 1,2D = Size (Table E-4). 1E = Milling Method (Table E-5). 1,2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1EH = A x B x C x D x E x F = 20.7
Human Hazard (HH):
A = Commodity (Table E-1, Human column). A = Status (Table E-2). A = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). Access (Table 9). HH = A x B x C x D x E x F = 31.1
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

These are priority sites.
These sites should be examined Category A: Category B: EH > 20 EH between 7 and 20 in order of rank after category A is dealt with. Category C: EH < 7 These sites may not need to be examined.

The category for this site is A.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Hua chuca				
Primary Name:Morgan				
Alternate Name: Nuggot				
MASDB MILS Table Sequence number: <u>CO4003 O/87</u>				
Date of Report: 12 31 93 Sample number(s): 40130 -140133				
LOCATION DATA				
State: A2 County: Cochise Township: 245 Range: 205 Section: 1				
Latitude: N3 22 05 Longitude: W110 15 28 Elevation (ft): 6050				
7.5' or 15' Quadrangle Map Name: Monte zumg Poss Scale: 24000				
Mining or Mineral District: <u>New Reef</u>				
HISTORICAL DATA				
Please mark with an X all that apply.				
Elements produced and/or noted in geochemical analyses:				
Arsenic Cadmium Copper Lead Mercury Zinc Other Ag				
Status of Operation:				
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _				
Status Unknown				
Type of Operation:				
Surface $_$ Underground $_$ Surface and Underground X Mineral Location $_$				
Placer Prospect Dredging Processing Plant Well Unknown				
No Data				
Size based on production of ore to date:				
Small (0 to 10,000 st) 🐰 Small to Medium (10,000 to 250,000 st)				
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)				
Large (over 1,000,000 st)				

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 3 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other Winzes
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{Y}{\longrightarrow}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Winzes, Shaff
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)				
Please mark with an X all that apply:				
Stream River Pond Intermittent Stream X Lake Bay				
Other				
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$				
Is water being produced from the feature? (y/n) N				
If water is present, how does it occur?:				
Standing Filled Partly Filled Flowing Intermittent				
If water is present, what color is it?:				
Brown Green Yellow Yellow/orange Orange Gray/black				
Other color				
MACHINERY				
Is machinery present at the site? (y/n) N				
Location of Machinery:				
Inside Building Outside Building No Building, Other Location				
Type of Machinery:				
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill				
Amalgamation Equipment Arrastre Ore Bins Tanks Other				
EXPLOSIVES				
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$				
If present, give type and location				
ACCESS				
Access is by:				
Maintained Road 4WD Road to < 1/2 mi of site X				
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country				
There is a habitation < $1/2$ mi from the site $(y/n) \Delta I$				

OTHER

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Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities

noted. Status (Table E-2).

1, 2C = Type (Table E-3).

(.ZD = Size (Table E-4).

Milling Method (Table E-5),
Acid potential: If any indicator minerals were checked AND
neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1.2F =

1EH = A x B x C x D x E x F = 20.7

Human Hazard (HH):

table.

5A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1,2C = Type (Table E-3).

1.2D = Size (Table E-4).

/E = Milling Method (Table E-5).
// &F = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{25.9}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
These sites should be examined Category B: EH between 7 and 20 in order of rank after category A is dealt with. Category C: EH < 7 These sites may not need to be examined.

The category for this site is A.

^{&#}x27;Within a table, take only the highest value as the total value for that

Management Unit: Hoachuca
Primary Name: Case Man.
Alternate Name: Cave Creek
MASDB MILS Table Sequence number: <u>OOY 063 0048</u>
Date of Report: 17/31/96 Sample number(s): HU/98-HU21(
LOCATION DATA
State: A county: Cochise Township: 235 Range: 20 & Section: 33
Latitude: N 31 22 57 Longitude: 1110 19 21 Elevation (ft): 6230
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Hart-ford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground & Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
_
Size based on production of ore to date:
Small (0 to 10,000 st) 🐰 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1.000.000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite χ Galena χ Marcasite _ Sphalerite χ
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 💢 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Addit 4 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) 1
Large Pit (> 10 ft) 2 Quarry _ Placer _ Building _ Machinery _
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence X
Other Stopes, winzes
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{\checkmark}{\searrow}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed X Standing Empty Rotten Cribbing X
Unstable Wall Eroded Partly Eroded Intact Subsided 🔏
Foundation Prone to Wind Erosion Other Stepes winzes
Size of Feature (ft)
Tareth , Width y Weight

Are bodies of water found on or near the site? (y/n) \nearrow							
Please mark with an X all that apply:							
Stream River Pond Intermittent Stream 🗶 Lake Bay							
Other							
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$							
Is water being produced from the feature? (y/n) $\underline{\Lambda} V$							
If water is present, how does it occur?:							
Standing Filled Partly Filled Flowing Intermittent							
If water is present, what color is it?:							
Brown Green Yellow Yellow/orange Orange Gray/black							
Other color							
MACHINERY							
Is machinery present at the site? (y/n) N							
Location of Machinery:							
Inside Building Outside Building No Building, Other Location							
Type of Machinery:							
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill							
Amalgamation Equipment Arrastre Ore Bins Tanks Other							
EXPLOSIVES							
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$							
If present, give type and location							
ACCESS							
Access is by:							
Maintained Road $_$ 4WD Road to < 1/2 mi of site X							
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country							
There is a habitation $< 1/2$ my from the site (v/n) Y							

OTHER

		OTHE	•			
Are any of	the followin	ng other features p	resent?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal						
Trestles Wooden Structures Overhead Cables Powerlines						
Power Subst	ations _ T	Transformers Ch	emicals Othe	er		
		HAZARD CALC	JLATIONS			
Environment	al Hazard (E	EH):				
1,2D =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use the classifier of the classifier	e highest number ator minerals we t present, F = 1			
Human Hazar	d (HH):					
<pre>QA = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1.2C = Type (Table E-3). 1.2D = Size (Table E-4). 1.E = Milling Method (Table E-5). 1.8F = Access (Table 9).</pre>						
	$^{t}HH = A \times B$	x C x D x E x F =	46.7			
		PRIORI	TY			
	environmenta			FS is presently under gwill, therefore, be		
Categ	ory A: ory B:	EH between 7 and	20 These sit in order category	e priority sites. Les should be examined of rank after A is dealt with. Les may not need to be		

The category for this site is β .

 $[\]frac{}{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachucq
Primary Name: Power claim
Alternate Name: Anazira
MASDB MILS Table Sequence number: 004 003 0019
Date of Report: 12 3 93 Sample number(s): HU098-HU109
LOCATION DATA
State: AZ County: Cochise Township: Z35 Range: 20 5 Section: 23
Latitude: N312444 Longitude: WIIO 17 12 Elevation (ft): 6850
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper Lead X Mercury X Zinc X Other Ag_
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground 🔏 Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite $_$ Stibnite $_$ Other sulfide $_$ Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 3 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 🔏 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed X Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

These are priority sites.
These sites should be examined in order of rank after

category A is dealt with.
These sites may not need to be examined.

WATER

Are bodies of water found on or near the site? (y/n) Δz
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\Lambda}$ /
Is water being produced from the feature? (y/n) $\Delta \!$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $ abla ot /$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Hetal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2 B = Status (Table E-2). 1.2c = Type (Table E-3). 1.2D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0			
Human Hazard (HH):			
9 A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1,2C = Type (Table E-3). 1,2D = Size (Table E-4). 1 E = Milling Method (Table E-5). 2,8F = Access (Table 9). 1 HH = A x B x C x D x E x F = 46.7			
			
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			

The category for this site is B.

Category A: Category B:

Category C:

EH between 7 and 20

EH > 20

EH < 7

Management Unit: Hoashosa
Primary Name: <u>Tames Group</u>
Alternate Name: <u>Emerald</u> , <u>Pomona</u>
MASDB MILS Table Sequence number: 004 603 0198
Date of Report: 12/3//73 Sample number(s): HU050-HU059
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20 E Section: 8
Latitude: N3 27 07 Longitude: WIIO 20 04 Elevation (ft): 7270
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium X Copper _ Lead X Mercury X Zinc X Other W_
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔏 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena 🔏 Marcasite Sphalerite 🔏
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx _X
Neutralizing Host Rock:
Dolomite Limestone 🗶 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 🗶 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) \swarrow
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (γ/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) ${ extstyle M}'$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) Λ /
-,

		OTHER	
Are any of t	he following	g other features pres	ent?:
Orums or Tar	nks Head:	frames Tramways _	_ Bags Scrap.Metal
Trestles	Wooden Str	uctures Overhead	Cables Powerlines
Power Substa	ations T	ransformers Chemi	cals Other
		HAZARD CALCULA	PTONE
Environment:	al Hazard (E)		11083
cuationments	il mazaru (E	<u>-):</u>	
6A =	or noted in noted.	analyses. Use the h	tal column) produced historically ighest number for commodities
2B =	Status (Tab	le E-2).	
/,2C =	Type (Table	E-3).	
	Size (Table	E-4). hod (Table E-5).	
			r minerals were checked AND
·	neutralizin	g hos rocks are not p	resent, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times B$	x C x D x E x F = <u>17</u>	<u>,3</u>
Human Hazaro	1 (HH)+		
duman hazare	· (m).		
9A = 2B =	Status (Tab.	Table E-1, Human colu le E-2).	mn).
1, ZC =	Type (Table Size (Table	E-3). E-4:	
		hod (Table E-5).	
1.4F =	Access (Tab	le 9).	
.,	$^{1}HH = A \times B$	x C x D x E x F = 3	<u>3</u>
		PRIORITY	
015			mb - mg /
	environmenta.		range. The FS is presently under rical ranking will, therefore, be
Catoo	ory A:	EH > 20	These are priority sites.
Catego	ory B:	EH between 7 and 20	These sites should be examined
Jarey.	•		in order of rank after category A is dealt with.
Catego	ory C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{\}text{t}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Hug chucq
Primary Name:
Alternate Name:
MASDB MILS Table Sequence number: <u>OC4003 6104</u>
Date of Report: 12/3/93 Sample number(s): HU(88, HU/89
LOCATION DATA
State: Az County: Cochise Township: 245 Range: 20 E Section: 3
Latitude: N3 22 10 Longitude: 610 17 35 Elevation (ft): 7000
7.5' or 15' Quadrangle Map Name: Montezuma Poss Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper 🙏 Lead Mercury _X Zinc X Other 🕂 🚉
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Z Surface and Underground A Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (γ/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) Y
Please mark with an X all that apply:
Stream $_{-}$ River $_{-}$ Pond $_{-}$ Intermittent Stream $_{-}$ Lake $_{-}$ Bay $_{-}$
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (Y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (γ/n) \not L
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \cancel{N}

OTHER

Are any of	the following	g other features prese	ent?:	
Drums or Ta	nks Head:	frames Tramways	Bags Scrap Metal	
	Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				
Environmental Hazard (EH):				
/,2D =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use the had be a second of the sec	r minerals were checked AND resent, F = 1.2; otherwise F = 1.0	
Human Hazar	:(HH):			
1.2D = E =	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5).	nn).	
	1 HH = A x B	x c x D x E x F = 31	<u>-1</u>	
PRIORITY				
Sites the gun on by EH as fo	environmenta	iked for each mountain I hazards only. Nume	range. The FS is presently under rical ranking will, therefore, be	
Cate Cate	gory A: gory B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.	
Cate	gory C:	EH < 7	These sites may not need to be examined.	

The category for this site is $\underline{\mathcal{B}}$.

 $^{{}^{\}mbox{\sc Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Hoachuck
Primary Name: Lutz Tunnel
Alternate Name: Black Bear
MASDE MILS Table Sequence number: 0040030176
Date of Report: 12/31/93 Sample number(s): HU138-HU147
LOCATION DATA
State: Az County: Cochine Township: 235 Range: 205 Section: 35
Latitude: N3123 01 Longitude: W110 17 12 Elevation (ft): 7230
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead Mercury X Zinc Other Ag
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone 🔀 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) 🟃
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact _X Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tought we Width we Holight

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) ΔI
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $ extstyle e$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \angle$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 ml from site Trail or undrivable Road 💢 Cross-country
There is a habitation $< 1/2$ mi from the site (v/n) N

OTHER

			OTHER		
Are any of t	the following	g other feat	ures present	?:	
Drums or Tanks Headframes Tramways Bags Scrap Metal					
Trestles	Wooden Str	uctures	Overhead Cab	les Power!	lines
Power Substa	ations T	ransformers	Chemicals	other _	
		HAZAR	D CALCULATION	rs	
Environmenta	al Hazard (E	H):			
/. 2C = /.2D = /E =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent	analyses. le E-2). E-3). E-4). hod (Table E ial: If any	Use the higher than the control of t	est number for inerals were c	
	$^{1}EH = A \times B$	x C x D x E	$x F = \sqrt{7.3}$		
Human Hazaro	d (HH):				
9A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1,2C = Type (Table E-3). 1,2D = Size (Table E-4). 1E = Milling Method (Table E-5). 1,2F = Access (Table 9). 1HH = A x B x C x D x E x F = 3/.1					
			PRIORITY		
	environmenta				is presently under ll, therefore, be
	ory A: ory B:	EH > 20 EH between	7 and 20	These are printed in order of recategory A is	should be examined cank after
Catego	ory C:	EH < 7			may not need to be

The category for this site is $\underline{\mathcal{G}}$.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone 🔏 Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft _Z Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (γ/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other deep shofts
Size of Feature (ft)
Length v Width v Wolaht

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\Lambda}$ /
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road _X Cross-country
There is a habitation < $1/2$ mi from the site (y/n) ΔJ

OTHER

		OTHER	
Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			Bags Scrap Metal
Trestles _	Wooden St	ructures Overhead	Cables Powerlines
Power Subst	ations	Transformers Chem	icals Other
		HAZARD CALCULA	TIONS
Environment	al Hazard (EH):	
GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2B = Status (Table E-2). 2C = Type (Table E-3). 3D = Size (Table E-4). 3E = Milling Method (Table E-5). 4F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 3EH = A x B x C x D x E x F = 17.3			
Human Hazard (HH):			
<pre>& A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). /,2C = Type (Table E-3). /,2D = Size (Table E-4). jE = Milling Method (Table E-5). /,2F = Access (Table 9).</pre>			
$^{1}HH = A \times B \times C \times D \times E \times F = \frac{27.7}{}$			
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			
		EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^3\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachuca
Primary Name: Buum kirch ner
Alternate Name: Crecket
MASDB MILS Table Sequence number: 00 4 60 3 00 9 7
Date of Report: 12/3/193 Sample number(s): HU120-HU125
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 21E Section: 30
Latitude: <u>N 3(24 00</u> Longitude: <u>N 110 14 49</u> Elevation (ft): <u>5200</u>
7.5' or 15' Quadrangle Map Name: Nicks wille. Scale: 24000
Mining or Mineral District: New Hartfard
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect X
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground 🗶 Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite _X Galena Marcasite Sphalerite _X
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other Fe0x
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) / Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other _deep shaft_
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (γ/n) ΔI
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) Λ
Is water being produced from the feature? (y/n) Δ /
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \bigwedge
If present, give type and location
ACCESS
Access is by:
Maintained Road 🚶 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n) \vee

	OTHER			
Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal				
Trestles Wooden Structures Overhead Cables Powerlines				
Power Substations Transformers Chemicals Other				
	HAZARD CALCULATIONS			
Environmenta	l Hazard (EH):			
/.5B = 1.2C = 1.2D = 1.2F = 1.	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 EH = A x B x C x D x E x F = 15.6			
Human Hazard	(HH):			
/.5B = 8 /.2C = 2 /.2D = 8 /E = 4 2 F = 4	Commodity (Table E-1, Human column). Status (Table E-2). Type (Table E-3). Size (Table E-4). Silze (Table E-4). Silling Method (Table E-5). Access (Table 9). HH = A x B x C x D x E x F = 38.9			

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is 6.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Huachuca
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU028-HU036
LOCATION DATA
State: Az County: Ccchise Township: 235 Range: 19 E Section: 24
Latitude: N 31 25 23 Longitude: W 110 21 40 Elevation (ft): 7150
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24/000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect $\underline{\chi}$
Status Unknown
Type of Operation:
Surface _ Underground 💢 Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🐰 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $ abla$
Other FeOx
Neutralizing Eost Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\frac{2}{}$ Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other <u>winze</u>
Condition of site and/or feature
Does the condition of the feature represent a hazard? (γ/n) \sum
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other _Winz8
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\frac{Y}{}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other spring
Is water present at the feature? $(y/n) - Y$
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing X Filled X Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color <u>Unknoum</u>
MACHINERY
Is machinery present at the site? (Y/n) Al
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Waintained Boad 4WD Boad to < 1/2 mi of Site

4WD Road > 1/2 mi from site __ Trail or undrivable Road 🔏 Cross-country __

There is a habitation < 1/2 mi from the site (y/n) \cancel{N}

OTHER	
Are any of the following other features present?:	
Drums or Tanks Headframes Tramways Bags Scrap Metal	
Trestles Wooden Structures Overhead Cables Powerlines	
Power Substations Transformers Chemicals Other	
HAZARD CALCULATIONS	
Environmental Hazard (EH):	
<pre>GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /.5B = Status (Table E-2). (.2C = Type (Table E-3). /.2D = size (Table E-4). / E = Milling Method (Table E-5). /.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.</pre> 'EH = A x B x C x D x E x F = /5.6	
Human Hazard (HH):	
<pre>G A = Commodity (Table E-1, Human column). //oB = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). /.E = Milling Method (Table E-5). /.2F = Access (Table 9).</pre>	
HH = A x B x C x D x E x F = <u>Z3.3</u>	

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 These are priority sites. Category A: EH between 7 and 20 Category B: These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined. EH < 7 Category C:

The category for this site is ______.

^{&#}x27;Within a table, take only the highest value as the total value for that

Management Unit: Huachuca
Primary Name: Huachuca claims
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/3//93 Sample number(s): HU 087- HU 089
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 206 Section: 13
Latitude: N31 25 33 Longitude: WIIO 15 44 Elevation (ft): 5350
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24/000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _ Mercury *\mathcal{L}\ zinc _ Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔏 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Are bodies of water found on or near the site? (y/n)	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream X Lake Bay	
Other	
Is water present at the feature? (y/n) Y	
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$	
If water is present, how does it occur?:	
Standing X Filled X Partly Filled _ Flowing _ Intermittent _	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
other color unknown	
MACHINERY	
Is machinery present at the site? (y/n) \cancel{N}	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) $_\mathcal{N}$	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road X 4WD Road to < 1/2 mi of site x	
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country	
There is a habitation $< 1/2$ mi from the site (y/n)	

OTHER

Are any of th	ne following other features present?:
Drums or Tan	us Headframes Tramways Bags Scrap Metal
Trestles	Wooden Structures Overhead Cables Powerlines
Power Substat	ions Transformers Chemicals Other
	HAZARD CALCULATIONS
Environmental	Hazard (EH):
/.2B = 5 /.2C = 7 /.2D = 6 /.2D = 6 /.2F = 6	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Size (Table E-4). Silve (Table E-4). Silve (Table E-4). Silve (Table E-5). Size (Table E-6). Silve (Table E-7). Silve (Table E-8). Silve (Table E-1). Silve (Table E-
1	$EH = A \times B \times C \times D \times E \times F = 12.4$
Human Hazard (HE):	

GA = Commodity (Table E-1, Human column).
(.2B = Status (Table E-2).
(.2C = Type (Table E-3).
(.2D = Size (Table E-4).
(.E = Milling Method (Table E-5).
2F = Access (Table 9).
'HH = A x B x C x D x E x F = 31.1

PRIORITY

Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A: EH < 7 These sites may not need to be examined.

The category for this site is 3.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Hunchuce
Primary Name: Unnumed adits
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/3/93 Sample number(s): 40194-40196
LOCATION DATA
State: Az County: Cochise Township: 245 Range: 20 5 Section: 3
Latitude: <u>U3i 22 03</u> Longitude: <u>W1/0 18 26</u> Elevation (ft): <u>6270</u>
7.5' or 15' Quadrangle Map Name: Montezuma Pass Scale: 24008
Mining or Mineral District: <u>New Hartford</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \angle Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Eost Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:

Open to Entry X Partly Caved X Concealed Partly Concealed Collapsed Partly Collapsed Empty Rotten Cribbing Unstable Wall Eroded Partly Eroded Intact Subsided Foundation Prone to Wind Erosion Other

Length ____ x Width ___ x Height ____

HISTORICAL DATA (con't)

Milling Method:

Size of Feature (ft)

Are bodies of water found on or near the site? (y/n) $ widtharpoonup olimits_{n} $	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream Lake Bay	
Other	
Is water present at the feature? (y/n) N	
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$	
If water is present, how does it occur?:	
Standing Filled Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
Other color	
MACHINERY	
Is machinery present at the site? (y/n) \(\Delta\)	
• •	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \mathcal{L}$	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road X 4WD Road to < 1/2 mi of site	
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country	
There is a habitation $< 1/2$ mi from the site $(v/n) \Lambda/$	

		OTE	IER	
Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal			gs Scrap Metal	
Trestles	Trestles Wooden Structures Overhead Cables Powerlines			s Powerlines
Power Subst	ations T	ransformers	Chemicals	Other
		HAZARD CAI	CIII ATLONS	
		INZARD CAL	COLMITORS	
Environment	al Hazard (E	E):		
6A = 1.2B = 1.2C =	Commodity (or noted in noted. Status (Tab Type (Table Size (Table	analyses. Use	onmental c the highes	column) produced historically of number for commodities
/.ZD =	Size (Table	E-4). hod (Table E-5).		
1.2 ^F =	Acid potent	ial: If any ind	icator min not presen	erals were checked AND t, F = 1.2; otherwise F = 1.0
	¹EH = A x B	x C x D x E x F	= <u>12.4</u>	
Human Hazar	A /88).			
numen hazar	u (m).			
	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5).	column).	
	HHH = A x B	x C x D x E x F	= <u>31.1</u>	
		PRIO	RITY	
Sites the gun on by EH as fo	environmenta	ked for each mou l hazards only.	ntain rang Numerical	e. The FS is presently under ranking will, therefore, be
		EH > 20 EH between 7 an	d 20 T i	These are priority sites. These sites should be examined on order of rank after ategory A is dealt with.
Categ	ory C:	EH < 7	T	These sites may not need to be examined.

The category for this site is ______.

 $^{{}^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Hoachuca
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 123143 Sample number(s): HUO01-HUO86
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20 & Section: 13
Latitude: N3125 46 Longitude: W 110 /536 Elevation (ft): 5250
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\frac{1}{4} \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 💢 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 4 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) _k Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

ì

Are bodies of water found on or near the site? (y/n) \checkmark
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🚶 Lake Bay
Other
Is water present at the feature? (y/n) \underline{Y}
Is water being produced from the feature? (y/n) ΔL
If water is present, how does it occur?:
Standing X Filled X Partly Filled X Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color unknown
MACHINERY
Is machinery present at the site? (y/n) \mathcal{N}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\triangle \!$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country

OTHER

Are any of	the followi	ng other featur	es present:	?:
Drums or Ta	nks Hea	dframes Tra	mways I	Bags Scrap Metal
Trestles	. Wooden St.	ructures 0	erhead Cab	les Powerlines
Power Subst	ations	Transformers _	Chemicals	other
		HAZARD	CALCULATION	s
Environment	al Hazard (EH):		
(A = 1.2B = 1.2C = 1.2D = 1 E = 1.2F =	or noted i noted. Status (Tai Type (Tabl Size (Tabl Milling Me Acid poten neutralizi	n analyses. Us ble E-2). e E-3). e E-4). thod (Table E-5 tial: If any i	se the higher of	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	d (HH):			
1.2C =	Status (Ta Type (Tabl Size (Tabl Milling Me Access (Ta	e E-3). e E-4). thod (Table E-5	5).	
	HH = A X I		r = <u>~0.0</u>	
		PI	RIORITY	
	environment			nge. The FS is presently under al ranking will, therefore, be
Categ Categ	gory A: gory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after
Categ	gory C:	EH < 7		category A is dealt with. These sites may not need to be examined.

The category for this site is B.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Hunchusc
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $\frac{(2/3)/93}{3}$ Sample number(s): $\frac{HU135-HU137}{3}$
LOCATION DATA
State: Az County: Cochise Township: 245 Range: 20 6 Section: 2
Latitude: <u>N3 22 22</u> Longitude: <u>W10 16 54</u> Elevation (ft): <u>7450</u>
7.5' or 15' Quadrangle Map Name: Monto Zuma Pass Scale: 24006
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔏 Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect \swarrow Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground χ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{}$
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔏 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline _1 Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 2 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact _X Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ___

Are bodies of water found on or near the site? (y/n) ΔI
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? $(y/n) \Delta L$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
FIREDINER
Is machinery present at the site? (y/π) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \overline{V}
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER

Are any of	the following	ng other features pre	sent?:
Drums or Ta	nks Head	dframes Tramways	Bags Scrap Metal
Trestles _	Wooden St	ructures Overhead	Cables Powerlines
Power Subst	ations !	Transformers Chem	icals Other
		HAZARD CALCUL	ATIONS
Environment	al Hazard (EH):	
1.20 =	or noted in noted. Status (Tall Type (Table Size (Table Milling Methods)	n analyses. Use the ble E-2). e E-3). e E-4). thod (Table E-5). thal: If any indicat	ntal column) produced historically highest number for commodities or minerals were checked AND present, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times B$	3 x C x D x E x F = 1	<u> 2.4</u>
Human Hazar	ed (HH):		
(,2C =	Status (Tall Type (Table Size (Table Milling Met	e E-3). e E-4). thod (Table E-5).	umn).
	HH = A x B	3 x C x D x E x F = <u>Z</u>	8.0
		PRIORITY	
	environmenta		n range. The FS is presently under erical ranking will, therefore, be
Cate	•	EH > 20 EH between 7 and 20	in order of rank after category A is dealt with.
categ	gory C:	En < /	These sites may not need to be examined.
The categor	y for this :	site is <u>B</u> .	

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: HUQCHUCA
Primary Name: Unnamed adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): #U191-HU193
LOCATION DATA
State: A2 County: Cochise Township: 245 Range: 20E Section: 10
Latitude: N. 31 21 52 Longitude: W110 17 48 Elevation (ft): 6/80
7.5' or 15' Quadrangle Map Name: Monte zuma Pass scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground 🔏 Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{\hspace{0.2cm}}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
The Land Land Work Books
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \(\Delta \)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact _X Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
Length x width x height

Are bodies of water found on or near the site? $(y/n) \stackrel{\checkmark}{\longrightarrow}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other <u>spring</u>
Is water present at the feature? (y/n) \underline{N}
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
NA COLUMNY
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$
If present, give type and location
ACCESS
Access is by:
•
Maintained Road 4WD Road to < $1/2$ mi of site χ
4wD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\underline{\Lambda}'$

OTHER

Are any of the following other features present?:			
Drums or Ta	nks Head	lframes Tramway.	s Bags Scrap-Metal
Trestles _	Wooden Str	ructures Overhe	ad Cables Powerlines
Power Subst	ations _ T	Cransformers Ch	emicals Other
		HAZARD CALCU	LATIONS
Environment	al Hazard (E	EH):	
/.2B = /.2C = /.1D = /.E = /.2F =	or noted in noted. Status (Tab. Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use the ple E-2). c E-3). c E-4). chod (Table E-5). cial: If any indic.	mental column) produced historically a highest number for commodities ator minerals were checked AND present, F = 1.2; otherwise F = 1.0
Kuman Hazar	d (HH):		
9 A = /.1B = /.2C = /.2D = /.E = /.8F =	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5).	olumn).
	HH = A x B	x C x D x E x F =	28.0
		PRIORI	rv
Sitos	uill ba ran		ain range. The FS is presently under
	environmenta		imerical ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7 and 2	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7	These sites may not need to be examined.

The category for this site is 3.

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

F 175

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huachuca
Primary Name:
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU126-HU128
LOCATION DATA
State: A County: Cochise Township: 245 Range: 20 E Section:
Latitude: N 31 22 30 Longitude: W110 15 39 Elevation (ft): 6250
7.5' or 15' Quadrangle Map Name: Montezuma Poss scale: 24000
Mining or Mineral District: New Hart ford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper Lead X Mercury X Zinc Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground 🔏 Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔏 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite _ Galena X Marcasite _ Sphalerite X
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx 🚶
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Λ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Please mark with an X all that apply: Stream River Pond Intermittent Stream _X Lake Bay OtherSpring Is water present at the feature? (y/n) Y Is water being produced from the feature? (y/n) N/ If water is present, how does it occur?: Standing _X Filled _X Partly Filled Flowing Intermittent If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_Unknown MACHINERY Is machinery present at the site? (y/n) N/ Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) N/ If present, give type and location
Is water present at the feature? (y/n) Y Is water being produced from the feature? (y/n) N If water is present, how does it occur?: Standing X Filled X Partly Filled Flowing Intermittent If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_UNKNOWN MACHINERY Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) N
Is water present at the feature? (y/n) Y Is water being produced from the feature? (y/n) M If water is present, how does it occur?: Standing X Filled X Partly Filled Flowing Intermittent If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_Unknown MACHINERY Is machinery present at the site? (y/n) M Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) M
Is water being produced from the feature? (y/n) \(\lambda \) If water is present, how does it occur?: Standing \(\times \) Filled \(\times \) Partly Filled \(\times \) Flowing \(\times \) Intermittent \(\times \) If water is present, what color is it?: Brown \(\times \) Green \(\times \) Yellow \(\times \) Yellow/orange \(\times \) Orange \(\times \) Gray/black \(\times \) Other color \(\times \) NOW \(\times \) MACHINERY Is machinery present at the site? \((\frac{1}{2}\) \) Location of Machinery: Inside Building \(\times \) Outside Building \(\times \) No Building, Other Location \(\times \) Type of Machinery: Flotation Cell \(\times \) Retort \(\times \) Stamp Mill \(\times \) Crusher \(\times \) Ball or Rod Mill \(\times \) Amalgamation Equipment \(\times \) Arrastre \(\times \) Ore Bins \(\times \) Tanks \(\times \) Other \(\times \) EXPLOSIVES Are any explosives or blasting supplies found on the site? \((\frac{1}{2}\) n) \(\lambda \)
If water is present, how does it occur?: Standing X Filled X Partly Filled Flowing Intermittent If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_Unknown MACHINERY Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) N
Standing X Filled X Partly Filled Flowing Intermittent If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_UNKNOWN MACHINERY Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) N
If water is present, what color is it?: Brown Green Yellow Yellow/orange Orange Gray/black Other color_Unknown MACHINERY Is machinery present at the site? (y/n)\text{\text{Location of Machinery:}} Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n)\text{\text{\text{Location on the site?}}}
Brown Green Yellow Yellow/orange Orange Gray/black Other color_Unknown MACHINERY Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) N
MACHINERY Is machinery present at the site? (y/n) № Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) △
MACHINERY Is machinery present at the site? (y/n) \(\frac{N}{2} \) Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) \(\frac{N}{2} \)
Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) ∧✓
Is machinery present at the site? (y/n) N Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) ∧✓
Location of Machinery: Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) \(\lambda \)
Inside Building Outside Building No Building, Other Location Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) △
Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) \(\lambda \lambda \)
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill Amalgamation Equipment Arrastre Ore Bins Tanks Other EXPLOSIVES Are any explosives or blasting supplies found on the site? (y/n) \(\lambda \rangle \)
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\triangle\!\!\!/$
If present, give type and location
ACCESS
Access is by:
Maintained Road X 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
Tower Substitutions Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre></pre>
Human Hazard (HH):
<pre>TA = Commodity (Table E-1, Human column). //2B = Status (Table E-2). //2C = Type (Table E-3). //2D = Size (Table E-4). //E = Milling Method (Table E-5). //3F = Access (Table 9). 'HH = A x B x C x D x E x F = 28.0</pre>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites.

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huachuca
Primary Name: Oversite
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU212-HU216
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 205 Section: 28
Latitude: N3/2349 Longitude: W/10/18-54 Elevation (ft): 7500
7.5' or 15' Quadrangle Map Name: Miller Peak Scale: 2400
Mining or Mineral District: New Hart ford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper _X Lead Mercury _X zinc Other Ag
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground _X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

milling method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 4 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \bigwedge$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Cased
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \Delta J$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (γ/n) N
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \bigwedge
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 ml from site Trail or undrivable Road X Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \triangle

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
/,2B = Status (Table E-2).
<pre>// 2C = Type (Table E-3). // 2D = Size (Table E-4). // E = Milling Method (Table E-5).</pre>
1,2D = Size (Table E-4).
/E = Milling Method (Table E-5).
/2 F = Acid potential: If any indicator minerals were checked AND

neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

Human Hazard (HH):

 $^{1}EH = A \times B \times C \times D \times E \times F = 12.4$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Houchoca
Primary Name: Toe Bailey Prospect & vicinity
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU009 HU010
LOCATION DATA
State: Az County: Cochise Township: ZZS Range: 19 E Section: 29
Latitude: N 3 29 28 Longitude: W//0 26 21 Elevation (ft): 5550
7.5' or 15' Quadrangle Map Name: Huachuca Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect $ ot X$ Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location _
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{\hspace{0.2cm}}$
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\stackrel{\textstyle \mbox{${\cal V}$}}{\sim}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) X
Is water being produced from the feature? (y/n) $\underline{\ \ \ }$
If water is present, how does it occur?:
Standing _X Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color_unknoum
MACHINERY
Is machinery present at the site? (y/n) ΔJ
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) \cancel{N}

OTHER

Are any of the following other features present?:					
Drums or Tanks Headframes Tramways Bags Scrap Metal					
Trestles Wooden Structures Overhead Cables Powerlines					
Power Substations Transformers Chemicals Other					
HAZARD CALCULATIONS					
Environmental Hazard (EH):					
(A = /.2C = /.2C = /.2F = /.2F =	or noted in analyses. Use the highest number for commodities noted. {B = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). *E = Milling Method (Table E-5).				
Human Hazard (HH):					
B = -20 =					
1 HH = A x B x C x D x E x F = 23.3					
2DTOD TWV					
PRIORITY					
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:					
Category A: Category B:		EH > 20 EH between 7 an	nd 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.	
Category C:		EH < 7		These sites may not need to be examined.	

The category for this site is 3.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huachuca
Primary Name: Thomas Tungs ken claims
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU062, HU063
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20E Section: 4
Latitude: N3 27 30 Longitude: N 10 18 58 Elevation (ft): 5690
7.5' or 15' Quadrangle Map Name: Miller Peak scale: 24000
Mining or Mineral District: New Rect
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _ Mercury 🗶 Zinc _ Other
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect \swarrow Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect 💢 Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Toroth y Width y Height

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
VA CHANTAV
MACHINERY
Is machinery present at the site? (y/n) $\underline{\wedge}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $ u$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site \underline{X}
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) Y

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
Environmental Hazard (En):
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2).
1 EH = A x B x C x D x E x F = $10-4$
Human Hazard (HH):
<pre>GA = Commodity (Table E-1, Human column). (B = Status (Table E-2). /¿CC = Type (Table E-3). /¿2D = Size (Table E-4). // E = Milling Method (Table E-5). /¿SF = Access (Table 9).</pre>
1 HH = A x B x C x D x E x F = $\frac{23.3}{}$
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is <u>B</u>.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Hunchule
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 123143 Sample number(s): HU134
LOCATION DATA
State: Az County: Cochise Township: 245 Range: 20 £ Section: 1
Latitude: A/3/22 04 Longitude: 6/10/558 Elevation (ft): 6/70
7.5' or 15' Quadrangle Map Name: Montezuma Pass Scale: 24600
Mining or Mineral District: <u>New Hartford</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔏 Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location _
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite _ Pyrrhotite _ Stibnite _ Other sulfide _ Limonite A
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
·
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \Delta I$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
pongen A "Awara A

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other spring
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) ΔJ
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (γ/n) ΔJ
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\not\!$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of t	he following	g other fea	tures present	?:
Drums or Tan	ks Head:	frames	Tramways	Bags Scrap Metal
Trestles	Wooden Str	uctures	Overhead Cab	les Powerlines
Power Substa	tions T	ransformers	Chemical	other
		HAZAI	RD CALCULATION	rs
Environmenta	ıl Hazard (El	H):		
B = .2C = .2D = E = ,2F =	or noted in noted. Status (Tab. Type (Table Size (Table Milling Metl Acid potent: neutralizing	analyses. le E-2). E-3). E-4). hod (Table ial: If an g hos rocks	Use the high E-5). Y indicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazard	(HH):			
B = 1.2C = 2D = E = OF =	Status (Tab. Type (Table Size (Table Milling Met Access (Tab.	le E-2). E-3). E-4). hod (Table le 9).	•	
	'HH = A x B	xCxDx1	$E \times F = \underline{Z3.3}$	•
			PRIORITY	
Sites the gun on e by EH as fol	environmenta	ked for eac l hazards c	h mountain ra only. Numeric	nge. The FS is presently under al ranking will, therefore, be
Catego Catego	ory A: ory B:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is ${\cal B}$.

 $^{^{\}mbox{\sc Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huarburg
Primary Name: Unnamed aslit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/3/93 Sample number(s): HU026, HU027
LOCATION DATA
State: Az County: Cochiè@ Township: 235 Range: 19E Section: 13
Latitude: N 3/ 26 Q8 Longitude: W 1/0 22 25 Elevation (ft): 6400
7.5' or 15' Quadrangle Map Name: Miller Peqk Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect _X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other <u>flagged</u>
Size of Feature (ft)

Length ___ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) Y
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) Σ
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing X Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color <u>unknown</u>
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road X Cross-country
There is a habitation < $1/2$ mi from the site (γ/n) \swarrow

OTHER

Are any of	the followi	ing other features pr	esent?:
Drums or T	anks Hea	adframes Tramways	Bags Scrap Metal
Trestles _	_ Wooden St	ructures Overhea	d Cables Powerlines
Power Subs	tations	Transformers Che	micalsOther
		HAZARD CALCUI	ATIONS
Environmen	tal Hazard (
(A = /. 2g = /. 2c = /. 2D =	Commodity or noted i noted. Status (Ta Type (Tabl Size (Tabl Milling Me Acid poten	(Table E-1, Environm n. analyses. Use the ble E-2). e E-3). e E-4). thod (Table E-5). tial: If any indica	ental column) produced historically highest number for commodities tor minerals were checked AND present, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times E$	3 x C x D x E x F = _	10.4
Human Hazar	rd (HH):		
9A = /.2B = /.2C = /.2D = /.2F = /.2F =	Status (Table Type (Table Size (Table	e E-3). e E-4). thod (Table E-5).	lumn).
	¹ HH = A x E	B x C x D x E x F = 1	8-7
		PRIORITY	₹
Sites the gun on by EH as fo	environmenta	nked for each mountag al hazards only. Nur	in range. The FS is presently under merical ranking will, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Categ	ory C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is 2.

 $[\]frac{1}{2}$ Within a table, take only the highest value as the total value for that table.

E187

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huachuca
Primary Name: Unnamed adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): 14U/90
LOCATION DATA
State: Az County: Cochise Township: 245 Range: 20E Section: 11
Latitude: N31 21 33 Longitude: W 110 17 26 Elevation (ft): 6575
7.5' or 15' Quadrangle Map Name: Montezuma Poss Scale: 24000
Mining or Mineral District: New Hartford
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect X Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $ ot X$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx _X
Neutralizing Host Rock:
Dolomite Limestone _X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other winze
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry 💢 Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Luinze
Size of Feature (ft)
Length $\underline{\hspace{1cm}}$ x Width $\underline{\hspace{1cm}}$ x Height $\underline{\hspace{1cm}}$.

IIBLAN
Are bodies of water found on or near the site? (y/n) $\underline{\underline{\mathcal{N}}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) \bigvee
If water is present, how does it occur?:
Standing X Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color un Known
MACHINERY
Is machinery present at the site? $(y/n) \triangle I$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road 🗶 Cross-country
There is a habitation < 1/2 mi from the site (y/n) N

	OTABR
Are any of the f	ollowing other features present?:
Drums or Tanks _	Headframes Tramways Bags Scrap Metal
Trestles Woo	den Structures Overhead Cables Powerlines
Power Substation	S Transformers Chemicals Other
	HAZARD CALCULATIONS
Environmental Ha	zard (EH):
or no	
1,2B = State	us (Table E-2).
l.2c = Type l.2D = Size	(Table E-4).
(E = Mill:	ing Method (Table E-5).
F = Acid	potential: If any indicator minerals were checked AND ralizing hos rocks are not present, $F = 1.2$; otherwise $F = 1.0$
'EH =	$A \times B \times C \times D \times E \times F = 10.4$
Human Hazard (HH)):
/,2B = Statu	odity (Table E-1, Human column). us (Table E-2).
1,2C = Type /,2D = Size	(Table E-3).
/.ZD = Size	ing Method (Table E-5).
/,2F = Acces	ss (Table 9).
HH ₁	A x B x C x D x E x F = <u>18-7</u>
	PRIORITY
Sites will the gun on enviro by EH as follows:	be ranked for each mountain range. The FS is presently under commental hazards only. Numerical ranking will, therefore, be
Category A:	EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined. Category C: EH < 7

The category for this site is B.

 $^{^{\}prime}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Hugehuca
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU 257
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 19E Section: 25
Latitude: N 31 23 56 Longitude: <u>(1) 110 21 34</u> Elevation (ft): <u>5830</u>
7.5' or 15' Quadrangle Map Name: Miller Peak scale: 24000
Mining or Mineral District: <u>New Reef</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) ✓
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{M}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \triangle
Is water being produced from the feature? (y/n) $\Lambda \sqrt{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \cancel{N}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site $\{y/n\}$ Y

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). ,2C = Type (Table E-3). ,2D = Size (Table E-4). ,F = Milling Method (Table E-5). ,F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
Human Hazard (HH):
QA = Commodity (Table E-1, Human column). B = Status (Table E-2). \(\)
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category Category		EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category	C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huachuco
Primary Name: Pleasant View claims
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): HU064-HU071
LOCATION DATA
State: Az County: Cochise Township: 235 Range: 20 E Section: 4
Latitude: N31 27 26 Longitude: W110 18 31 Elevation (ft): 5570
7.5' or 15' Quadrangle Map Name: Willer Peak Scale: 24000
Mining or Mineral District: New Reef
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 💢 Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect $ otin Developed Prospect _$
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Gravity __ Crusher only __ Heap Leach __ Amalgamation ___ Arrastre __ CIP __ Cyanidation __ Stamp __ Flotation __ Leach ___ No Mill X Unknown ___ Jig Plant ___ Retort __ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __ Other FeOx __ Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit 2 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) 2 Large Pit (> 10 ft) 3 Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other _____ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) \mathcal{N}

HISTORICAL DATA (con't)

Size of Feature (ft)

Mark all conditions that apply:

Milling Method:

Length ____ x Width ___ x Height ____

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other ______ Coded _____

l

Are bodies of water found on or near the site? (y/n) Λ
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \neq$
Is water being produced from the feature? (y/n) $ u$
If water is present, how does it occur?:
Standing 💢 Filled 💢 Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color <u>unknum</u>
MACHINERY
Is machinery present at the site? (γ/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Lambda_{\mathcal{N}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n)

OTHER

			- Zanon	
Are any of	the followin	g other fea	tures present	?:
Drums or Ta	nks Head	frames	Tramways	Bags Scrap-Metal
Trestles	Wooden Str	uctures	Overhead Cab	les Powerlines
Power Subst	ations T	ransformers	Chemical	s Other
		HAZAF	RD CALCULATION	48
Environment	al Hazard (E	H):		
(A = B = ZC = ZD = E = F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. le E-2). E-3). E-4). hod (Table : ial: If an g hos rocks	Use the high E-5). y indicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazaro	d (HH):			
(E =		le E-2). E-3). E-4). hod (Table)	Human column) E-5).	•
	$^{1}HH = A \times B$	x C x D x E	x F = <u>23.3</u>	
			PRIORITY	
Sites the gun on e by EH as fol	environmenta:	ked for each l hazards on	n mountain ra nly. Numeric	nge. The FS is presently under al ranking will, therefore, be
Catego		EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is ______.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Huchvcc
Primary Name: Unna med workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/3/43 Sample number(s): HU072-HU075
LOCATION DATA
State: Az County: Cochibe Township: 235 Range: 20 E Section: 11
Latitude: N31 26 59 Longitude: W110 17 02 Elevation (ft): 5320
7.5' or 15' Quadrangle Map Name: Miller Peak scale: 24000
Mining or Mineral District: <u>New Reef</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔏 Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 2 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \underline{N}
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) Y
Please mark with an X all that apply:
Stream _ River _ Pond _ Intermittent Stream X Lake _ Bay _
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (γ/n) \triangle
If water is present, how does it occur?:
Standing X Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color <u>inknoum</u>
MACHINERY
Is machinery present at the site? $(y/n) \Omega_L$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell _ Retort _ Stamp Mill _ Crusher _ Ball or Rod Mill _
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amazganacon aquapmono taran
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site &
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) Y

		отн	ER			
Are any of	the followin	g other features	present?:			
Drums or Ta	inks Head	frames Tramwa	ays Bags Scrap Metal _	_		
Trestles _	Wooden Str	uctures Over	nead Cables Powerlines			
Power Subst	Power Substations Transformers Chemicals Other					
		HAZARD CAL	CULATIONS			
Environment	al Hazard (E	H):				
1.2C =	or noted in noted. Status (Tab Type (Table Size (Table	analyses. Use to the E-2). the E-3). the E-4).	onmental column) produced histo the highest number for commodit			
¡E = Milling Method (Table E-5). ¡ZF = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1						
	¹ EH = A x B	x C x D x E x F	= <u>8.6</u>			
Ruman Hazar	d (HH):					
9A = (B = 1,2C = (D = 1,E = 7,8F =	Status (Tab	E-3). E-4). hod (Table E-5).	column).			
	'HH = A x B	x C x D x E x F	= 19.4			
		PRIOF	RITY			
	environmenta		ntain range. The FS is present Numerical ranking will, there			
	ory A:	EH > 20 EH between 7 and	These are priority sit i 20 These sites should be in order of rank after category A is dealt w	examined		
Categ	ory C:	EH < 7	These sites may not ne examined.			

The category for this site is $\underline{\mathcal{L}}$.

 $^{^{\}mbox{\scriptsize Within}}$ a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

PATAGONIA (INCLUDES ALSO CANELO HILLS)

							page
Canelo Hills-Patagonia Mountains	Flux Mine	PA127-145	N312919	W1104512	54.4	Δ	E197
Canelo Hills-Patagonia Mountains	Trench Camp Mineralized Area	PA289	N312810	W1104355		Ä	£199
Canelo Hills-Patagonia Mountains	Christmas Gift Mine	PA90-105	N313131	W1104302	20.7		E 201
Canelo Hills-Patagonia Mountains	Tres de Mayo Mineralized Area	PA490-506	N312645	W1104758	20.7		E 203
Canelo Hills-Patagonia Mountains	Aztec Mine Group	PA117-126	N313037	W1104455	20.7		E 205
Canelo Hills-Patagonia Mountains	Thunder Mine	PA169-288	N312639	W1104454	20.7	Â	
	Lookout Mine	PA346-367	N312826	W1104717	20.7		E207
Canelo Hills-Patagonia Mountains	Ventura Mine	PA430-478	N312726	W1104717	20.7		E 209
Canelo Hills-Patagonia Mountains		PA515-529	N312448	W1104330	20.7		E 213
Canelo Hills-Patagonia Mountains	Paymaster Mine	PA515-529 PA534-535	N312440	W1104428	20.7		EZIS
Canelo Hills-Patagonia Mountains	Olive Mine						E 217
Canelo Hills-Patagonia Mountains	Winifred Mine	PA539-541	N312407	W1104258	20.7		E 219
Canelo Hills-Patagonia Mountains	Shamrock Mine	PA603-641	N312419	W1104657	20.7		€ 22l
Canelo Hills-Patagonia Mountains	Buena Vista Mine	PA642-707	N312245	W1104606	20.7		£ 223
Canelo Hills-Patagonia Mountains	Edna Group	PA708-718	N312216	W1104610	20.7		£ 225
Canelo Hills-Patagonia Mountains	Jackalo Mine	PA564-601	N312415	W1104448	20.7		
Canelo Hills-Patagonia Mountains	O'Mara Mine	PA507-514	N312552	W1104549	20.7		€ 227
Canelo Hills-Patagonia Mountains	Denver Mine	PA479-489	N312703	W1104656	20.7		6229
Canelo Hills-Patagonia Mountains	Haist Mine	PA530-533	N312510	W1104307	20.7	A	E 231
Canelo Hills-Patagonia Mountains	Benton Mine	PA753-756	N312027	W1104139	20.7	Α	E 233
Canelo Hills-Patagonia Mountains	Sansimon Mine	PA5-15	N313207	W1104147	20.7		£ 235
Canelo Hills-Patagonia Mountains	Lead Queen	PA146-168	N312901	w1104308	20.7		E237
Canelo Hills-Patagonia Mountains	New York	PA18-66	N313135	W1103642	20.7	Α	E 239
Canelo Hills-Patagonia Mountains	La Plata Mine	PA70-89	N313127	W1103532	20.7	Α	E 241
Canelo Hills-Patagonia Mountains	Hardshell Mineralized Area	PA340-344	N312702	W1104254	17.3	В	E 243
Canelo Hills-Patagonia Mountains	Hidden	PA106-115	N313052	W1104213	12.4	В	E 245
Canelo Hills-Patagonia Mountains	Pollywog Group	PA536-538	N312436	W1104220	12.4	В	E 247
Canelo Hills-Patagonia Mountains	May	PA602	N312458	W1104602	12.4	В	E 249
Canelo Hills-Patagonia Mountains	Four Metals Mine	PA542-563	N312353	W1104413	12.4	В	E 251
Canelo Hills-Patagonia Mountains	Candelerio Peak	PA3-4	N313316	W1103937	12.4	В	E 253
Canelo Hills-Patagonia Mountains	Sulphide Mine	PA68, 69	N313043	W1103600	12.4	В	E 255
Canelo Hills-Patagonia Mountains	Copper Mountain	PA16, 17	N313257	W1103808	12.4	В	E 257
Canelo Hills-Patagonia Mountains	RJ	PA67	N313038	W1103658	08.6	В	E 259
Canelo Hills-Patagonia Mountains	Bluebird Group	PA759-762	N312902	W1103128	06.2	Ç	EZ61
		· · · · · · · · · · · · · · · · · · ·					

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

(Flux Mineralized Area)
Inchiles: Flux Mine
0040230038 - Blue Eagle Mine
0040230090 - World's Fair Mine

Management Unit: Cornado NF - Carelo Hills - Pa tagonia MTS.
Primary Name: Flux Mike
Alternate Name: Goshen Mine
MASDB MILS Table Sequence number: 00 4 02 3 00 5 4
Date of Report: 8/93 Sample number(s): A /27-145
LOCATION DATA
State: AZ County: Sata (ruz Township: 225 Range: 16E Section: 430,31,32
Latitude: N3/29/9 Longitude: W/10 45/2 Elevation (ft): 492/F+
7.5" or 15' Quadrangle Map Name: Harshow (Cumero Canyoh) Scale: 1:24000
Mining or Mineral District Harshaw
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X S: lue X
11 A 11 A 11
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $ ilde{X}$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp χ , Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite X Galena X Marcasite _ Sphalerite _
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone \(\sum_{\text{Marble}} \) Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.) seperal workings
Adit X Decline _ Shaft X Glory Hole X Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) X Quarry Placer Building Machinery X
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 左 Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall 🔀 Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) \times
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) X
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 🗶 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
B = Status (Table E-2).
C = Type (Table E-3). D = Size (Table E-4).
E = Milling Method (Table E-5).
F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
${}^{1}EH = A \times B \times C \times D \times E \times F = $ $6 \times 2 \times 1.2 \times 1.8 \times 2.1 \times 1 = $ $5 \times 4.2 \times 1.8 \times 2.1 \times 1 = $
Human Hazard (HH):
A = Commodity (Table E-1, Human column).
B = Status (Table E-2).
C = Type (Table E-3).
D = Size (Table E-4).
E = Milling Method (Table E-5). F = Access (Table 9).
'HH = A x B x C x D x E x F = (163,30)
9 x 2 x 1,2 x 1,8 x 2,1 x 2 =
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B: EH > 20 EH between 7 and 20 Category C: EH < 7

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

 $^{^{1}\!\}underline{Within}$ a table, take only the highest value as the total value for that table.

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only _ Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown 🔀
Acid Producing or Indicating Minerals: \$ Mark Nose that Mill Pant Nose that Pant N
Arsenopyrite Chalcopyrite Galena Arcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other Feox X
other row in
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.) So veral Adit X Decline X Shaft X Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
150 lt deep shalf

```
anuary and Norton Mine Group 004023 0061
                           AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
                                      US Bureau of Mines - IFOC
            Primary Name: Trench Camp Mineralized
            Alternate Name:
                                                            Endless Chair Mine 0040230183
Marning Glory Mine 0040230295
            MASDB MILS Table Sequence number:
                                               Sample number(s): Moho 004
            Date of Report: 8/93
            State: AZ County: Santa Cruz
                                            Township: 225 Range: 16 E Section: 5, 8, 17
            Latitude: N312810 Longitude: W 1104355 Elevation (ft): 4902 ft
           (7.5')or 15' Quadrangle Map Name: Harshaw
           (Mining or Mineral District)
                                           HISTORICAL DATA
            Please mark with an X all that apply.
            Elements produced and/or noted in geochemical analyses:
            Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other, X
            Status of Operation:
            Past Producer X Explored Prospect __ Raw Prospect __ Developed Prospect __
            Status Unknown __
            Type of Operation:
            Surface __ Underground X Surface and Underground __ Mineral Location __
            Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
            No Data ___
            Size based on production of ore to date:
            Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) ___
            Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
            Large (over 1,000,000 st) __
```

ludes:

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 📈 Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
′
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road X 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/7$ mi from the site (y/p)

OTHER

Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
<pre>A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre>			
$^{1}EH = A \times B \times C \times D \times E \times F = $ $6 \times A \times 1.2 \times 1.$			
Human Hazard (HH):			
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = 103.68			
9 x 2 x1.2 x 1.2 x 2 x 2 =			
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.			
Category C: EH < 7 These sites may not need to be examined.			

The category for this site is (A).

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Colorado N.F Canelo Kills - Patagonia Mountains
Primary Name: Christmas Gift Mine (Christmas Gift mineralized across the St. distance
Primary Name: Christmas Gift Mine (Christmas Gift Mine includes Elevation Mine) Alternate Name: Vorseshoe Mine, GYPSY, Rhea, Hardtmyen Property 0040230177
MASDB MILS Table Sequence number: 001023 00 1 /
Date of Report: 8/93 Sample number(s): PA 90-/05
LOCATION DATA
State: AZ County: 560 ta (102 Township: 225 Range: 165 Section: 16
Latitude: N3 3 3 Longitude: W1 04302 Elevation (ft): 4719ft
7.5' or 15' Quadrangle Map Name: Mt, Hughes Scale: 1:24000
Mining or Mineral District: Harshaw
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground X Surface and Underground $_$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 😾 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite & Galena & Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 5 Decline _ Shaft 5 Glory Hole _ Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{\checkmark}{\nearrow}$
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ___ Largest add is at least 1,600 ft,

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Fartly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road \underline{X} 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
EAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
Human Hazard (HH): $ \begin{array}{ccccccccccccccccccccccccccccccccccc$
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = 9 x 2 x 12 x 12 x 1 x 2 T
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the out on environmental hazards only. Numerical ranking will, therefore, be

by EH as follows:

Category A: Category B: EH between 7 and 20 Category C: EH < 7

EH > 20

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is



^{&#}x27;Within a table, take only the highest value as the total value for that table.

Tres de Mayo Mineralized Area) Indudes: Sonoi to Mine 004 023 0366
PA 490-506

Robert E. Leamine 004 023 0128

Jarillas Mine 004023 0237

Old Timen Mire 204023 0250

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado NF - Canelo Hills-Patagonia Mountains
Primary Name: Tres de Mayo Mine
Alternate Name:fa/met/o Mino
MASDB MILS Table Sequence number: 004023 0388
Date of Report: 9/93 Sample number(8): PA 490-506
LOCATION DATA
State: AZ county: Santa Ctuz Township: 235 Range: 15 £ Section: 3, 9, 10
Latitude: N3/2645 Longitude: W/104758 Elevation (ft): 1357 14452
7.5' or 15' Quadrangle Map Name: Cumero Canyoh Scale: 1:29000
Mining or Mineral District: falme#o
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer 🗴 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗴 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite X
Pyrite Pyrrhotite Stibnite Other sulfide \(\sum \) Limonite \(\times \) Other FeOx \(\sum \)
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline _ Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \frac{y}{/2}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
Shift 200 ft, Leep

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled \(\sum \) Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Analysis to by the terms of the state of the
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
200000
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site Z
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

Are any of	the following	g other fea	tures present	?:
Drums or Ta	anks Head	frames	Tramways	Bags Scrap Metal
Trestles _	_ Wooden Str	uctures _	Overhead Cab	les Powerlines
Power Subst	tations 1	ransformers	Chemical	s Other
		W3.77	RD CALCULATIO	ve
7	h=1 m4 /*		KD CALCULATION	13
Environmen	tal Hazard (F	in):		
A =				column) produced historically est number for commodities
B =		le E-2).		
C =	Type (Table	E-3).		
D =	Size (Table	E-4).	EE.	
F =	Acid potent	ial: If an	y indicator m	inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	'EH = A x B	X C X D X 1	E x F = (20.	74
Human Hazar	rd (HH):			
A = B = C = D = E = F =	Status (Tab Type (Table Size (Table	le E-2). E-3). E-4). hod (Table	Human column)	
	¹HH = A x B	xCxDxI	ExF=	
	9 V Y	X1,2X1,2X	1 x 1, 8 46,	66
	1 x 2	χχ		°°)
			PRIORITY	
	environmenta			nge. The FS is presently under al ranking will, therefore, be
	gory A: gory B:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after
Cateo	gory C:	EH < 7		category A is dealt with. These sites may not need to be examined.
The categor	v for this s	ita in A)	

The category for this site is

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

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Milling Method: Amalgamation ___ Arrastre ___ Gravity __ Crusher only __ Heap Leach __ CIP __ Cyanidation __ Stamp __ Flotation __ Leach ___ No Mill 🗡 Retort __ Jig Plant ___ Unknown ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite X Galena __ Marcasite __ Sphalerite __ Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate __ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit 3 Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) 2_ Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern Solution Mining Well __ Mine Dump X Mill Tailings __ Leach Pad ___ Highwall ___ Solution Pond __ Ore Stockpile __ Subsidence __ Other ____ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) $\frac{\checkmark}{}$ Mark all conditions that apply: Open to Entry X Partly Caved _ Concealed _ Partly Concealed _ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation _ Prone to Wind Erosion _ Other X Upstable back

Size of Feature (ft)

ρ; t Length 30 x Width 30 x Height 20

category A is dealt with.
These sites may not need to be

examined.

WATER

Are bodies of water found on or near the site? (y/n)			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
Amargamacton additions mradere ord arms amargamacton			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road 4WD Road to < 1/2 mi of site X			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation $< 1/2$ mi from the site (y/n)			

		OTHER	
Are any of t	he following	g other features pr	esent?:
Drums or Tan	ks Head	frames Tramways	Bags Scrap Metal
Trestles	Wooden Str	uctures Overhea	d Cables Powerlines
Power Substa	tions T	ransformers Che	micalsOther
		HAZARD CALCUI	LATIONS
Environmenta	l Hazard (E	H):	
B = C = D = E = F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizing	analyses. Use the le E-2). E-3). E-4). hod (Table E-5). ial: If any indica g hos rocks are not	ental column) produced historically highest number for commodities tor minerals were checked AND present, F = 1.2; otherwise F = 1.0
Human Hazard	EH = A x B (x >	x C x D x E x F = _ x / 2 X / 2 X / 2 X / 2 Z	(20.74)
B = C = D = E = F =	Status (Table Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5). le 9).	
	'HH = A x B	x C x D x E x F = (9 6.6 6
		PRIORIT	
	nvironmenta		in range. The FS is presently under merical ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7 and 2	These are priority sites. These sites should be examined in order of rank after

The category for this site is .

Category C:

EH < 7

^{&#}x27;Within a table, take only the highest value as the total value for that table.

		L
	(Thurder Minoralized Area)	
	Includes: Chief Mike Panama Adit 0040230148 Standard Mine Thurby Road Adit	
	0040230148 Standard Mine Thurston Road Abit	•
	00 40230370 Volcano Adit Syanyside 0040230375 Page 1/4 0040230398 Thunder Mine Wellington Group -0040230403	:
0	AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC	
	Management Unit: Cotohado N.F Canglo Bills - Patagonia Mts.	
	Primary Name: Thunder Mine	
	Alternate Name:	
	MASDB MILS Table Sequence number: 00 40 230384	
	Date of Report: 8/93 Sample number(s): PA/61-288	
	LOCATION DATA	
	State: AZ County: Santa Cruz Township: 235 Range: 16 E Section: 6,7	
	Latitude: N3/2639 Longitude: W/104454 Elevation (ft): 1803 Traff	
	7.5) or 15' Quadrangle Map Name: Karshaw & Camero Canyoh Scale: 1:24000	-
Π	Mining or Mineral District: Karshow	
V	HISTORICAL DATA	
)	Please mark with an X all that apply.	
J	Elements produced and/or noted in geochemical analyses:	
	Elements produced and/or noted in geochemical analyses: Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X Silvey Y	
	Status of Operation:	
	Past Producer 🗡 Explored Prospect Raw Prospect Developed Prospect _	-
	Status Unknown	
	Type of Operation:	
	Surface Underground \(\sum_{\colored} \) Surface and Underground Mineral Location	
	Placer Prospect Dredging Processing Plant Well Unknown	
	No Data	
	Size based on production of ore to date:	
	Small (0 to 10,000 st) Y Small to Medium (10,000 to 250,000 st)	
	Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)	-
	Large (over 1,000,000 st)	

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite $igselow{X}$ Galena $igselow{X}$ Marcasite Sphalerite $igselow{X}$
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx 🛴
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (y/n) $_$			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road $_$ 4WD Road to < 1/2 mi of site X			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			

There is a habitation < 1/2 mi from the site (y/n) ____

OTHER

Are any of the f	following other features present:	?:	
Drums or Tanks _	Headframes Tramways H	Bags Scrap Metal	
Trestles Woo	oden Structures Overhead Cab	les Powerlines	
Power Substation	ns Transformers Chemicals	other	
	HAZARD CALCULATION	'S	
Environmental Ha	azard (EH):		
A = Common note B = Stat C = Type D = Size E = Mill F = Acid neut Human Hazard (HE A = Comm B = Stat C = Type	modity (Table E-1, Environmental noted in analyses. Use the higher decided in analyse in a second in a	inerals were checked AND ent, F = 1.2; otherwise F = 1.0	
D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F =			
nn -	9 x 2 x/,2 x/,2 x / x 1.8 =		
	PRIORITY		
	l be ranked for each mountain rai ronmental hazards only. Numerica s:		
Category E Category C		These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.	
The category for	r this site is (A).		

 $^{^{\}prime}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

```
(Lookost Mineralized Area)
  Includes: Look out Mine
                                               New Hope Mire Group 004023098
            Mary Cane odit
                                               Gold Standard 00 40230204
           Native silver prospect 0040230414
           Conley Keck Copper 0040230153
                                                                 Page 1/4
               AME INVENTORY AND INVESTIGATION DATA ENTRY FORM
US Bureau of Mines - IFOC
Primary Name:
Sample number(s): PA346-367
Date of Report:
                              LOCATION DATA
State: AZ County: Santa Cluz Township (35) Range (5)
Latitude: 1/3/2826 Longitude: W//0 47/7 Elevation (ft): 1286 pet
(7.5) or 15' Quadrangle Map Name: Cumer. Canyon
Mining or Mineral District:
                              HISTORICAL DATA
 Please mark with an X all that apply.
 Elements produced and/or noted in geochemical analyses:
 Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
 Status of Operation:
 Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
 Status Unknown ___
 Type of Operation:
 Surface __ Underground __ Surface and Underground X Mineral Location __
 Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
 No Data __
 Size based on production of ore to date:
 Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) ___
 Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
```

Large (over 1,000,000 st) ___

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Milling Method:				
Amalgamation Arrastre Gravity Crusher only Heap Leach				
Leach CIP Cyanidation Stamp Flotation				
Jig Plant Retort No Mill 🗹 Unknown				
Acid Producing or Indicating Minerals:				
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite X				
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X Other FeOx X				
Neutralizing Host Rock:				
Dolomite Limestone Marble Micrite Sparite				
Other Carbonate,				
TYPE AND NUMBER OF WORKINGS				
(indicate with an X or 1, 2, etc.)				
Adit X Decline X Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) X				
Large Pit (> 10 ft) Quarry Placer Building Machinery				
Cistern $_$ Solution Mining Well $_$ Mine Dump $ ot \succeq$ Mill Tailings $_$				
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence				
Other				
Condition of site and/or feature				
Does the condition of the feature represent a hazard? (y/n) \checkmark				
Mark all conditions that apply:				
Open to Entry 💆 Partly Caved Concealed Partly Concealed				
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing				
Unstable Wall Eroded Partly Eroded Intact Subsided				
Foundation Prone to Wind Erosion Other				
Size of Feature (ft)				
Length x Width x Height				
shaft 40 ft diameter				

Are bodies of water found on or near the site? $(y/n) \not\succeq$			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream 🔀 Lake Bay			
Other			
Is water present at the feature? (y/n) \checkmark			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing Filled $ imes$ Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
MACHINERI			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road $_$ 4WD Road to < 1/2 mi of site \underline{X}			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n)			

OTHER

Are any of	the following	g other featur	es present?	?: .	
Drums or Ta	nks Head:	frames Tra	шмаув Н	Bags Scrap	Metal
Trestles	Wooden Str	uctures Ov	erhead Cabl	es Powerl	ines
Power Subst	ations T	ransformers _	Chemicals	Other _	
		HAZARD	CALCULATION	s	
Environment	al Hazard (E	H):			
C = D = E =	or noted in noted. Status (Tab. Type (Table Size (Table Milling Met) Acid potent neutralizing	analyses. Us le E-2). E-3). E-4). hod (Table E-5 ial: If any i g hos rocks as	o). indicator mire not prese	inerals were cent, F = 1.2;	
	6 X 2	XIXXIXXIX	1.2 = 20.7	4)	
Human Hazar	Human Hazard (HH):				
D = E =	Status (Tab.	E-3). E-4). hod (Table E-5		•	
${}^{1}HH = A \times B \times C \times D \times E \times F = $ $q_{X 2} \times l_{12} \times l_{12} \times l_{13} = (46.66)$					
			RIORITY		
Sites the gun on by EH as fo	environmenta	ked for each n l hazards only	mountain ram /. Numerica	nge. The FS i al ranking wil	is presently under il, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between 7	and 20	These are printed in order of a category A is	should be examined rank after
Categ	ory C:	EH < 7			may not need to be
The categor	y for this s	ite is (A).			

 ${}^{l}\underline{\textit{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado N.F Canelo Kills - Patagonia Nota.			
Primary Name: Ventura Mine			
Alternate Name:			
MASDB MILS Table Sequence number: 004033 0394			
Date of Report: 9/83 Sample number(s): PA 430-478			
LOCATION DATA			
State: AZ County: Santa Cruz Township: 235 Range: 15E Section: 1			
Latitude: N3/2726 Longitude: W//04550 Elevation (ft): 53/9 ft			
7.5) or 15' Quadrangle Map Name: Cumen Canton Scale: 1:24000			
Mining or Mineral Districts Palme #0			
HISTORICAL DATA			
Please mark with an X all that apply.			
Elements produced and/or noted in geochemical analyses:			
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X S;/bex X			
Status of Operation:			
Past Producer X Explored Prospect Raw Prospect Developed Prospect			
Status Unknown			
Type of Operation:			
Surface Underground \(\sum \) Surface and Underground Mineral Location			
Placer Prospect Dredging Processing Plant Well Unknown			
No Data			
Size based on production of ore to date:			
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)			
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)			
Large (over 1,000,000 st)			

Milling Method:			
Amalgamation Arrastre Gravity Crusher only Heap Leach _			
Leach CIP Cyanidation Stamp Flotation _			
Jig Plant Retort No Mill X Unknown			
Acid Producing or Indicating Minerals:			
Arsenopyrite X Chalcopyrite X Galena X Marcasite _ Sphalerite X			
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X			
Other FeOx X			
Neutralizing Host Rock:			
Dolomite Limestone Marble Micrite Sparite			
Other Carbonate ,			
TYPE AND NUMBER OF WORKINGS			
(indicate with an X or 1, 2, etc.)			
Adit \(\) Decline _ Shaft \(\) Glory Hole _ Small Pit or Trench (< 10 ft) \(\)			
Large Pit (> 10 ft) Quarry Placer Building Machinery			
Cistern Solution Mining Well Mine Dump 🛣 Mill Tailings			
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence			
Other			
Condition of site and/or feature			
Does the condition of the feature represent a hazard? $(y/n) \frac{y}{y}$			
Mark all conditions that apply:			
Open to Entry \overline{X} Partly Caved \overline{X} Concealed $\underline{\hspace{0.4cm}}$ Partly Concealed $\underline{\hspace{0.4cm}}$			
Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _			
Unstable Wall 🔀 Eroded _ Partly Eroded _ Intact _ Subsided _			
Foundation Prone to Wind Erosion Other			
Size of Feature (ft)			
Length x Width x Height			

estimated at 1000 ft longth X 12 ft. Wide

W	A	т	Е	1

Are bodies of water found on or near the site? (y/n) Y Please mark with an X all that apply:

Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing $_$ Filled $\overset{\checkmark}{ extsf{X}}$ Partly Filled $_$ Flowing $_$ Intermittent $_$			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road 4WD Road to < 1/2 mi of site \times			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < 1/2 mi from the site (y/n)			

OTHER

Are any of the follo	owing other features pre	sent?:
Drums or Tanks H	leadframes Tramways	Bags Scrap Metal
Trestles Wooden	Structures Overhead	Cables Powerlines
Power Substations _	Transformers Chem	icals Other
	HAZARD CALCULI	ATIONS
Environmental Hazard	i (EE):	
or noted. B = Status C = Type (Ti D = Size (Ti E = Milling F = Acid not	I in analyses. Use the (Table E-2). able E-3). able E-4). Method (Table E-5). cential: If any indicat	ntal column) produced historically highest number for commodities or minerals were checked AND present, F = 1.2; otherwise F = 1.0
¹ EH = A 6 Human Hazard (HH):	x B x C x D x E x F = X > X \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1}{2} \)	26.74
A = Commodi B = Status C = Type (T D = Size (T	able E-3). able E-4). Method (Table E-5).	umn).
¹ HH = A	x B x C x D x E x F = x 2 x l, 2 xl, 2 x l, 3 = PRIORITY	96.66
Sites will be the gun on environm by EH as follows:	ranked for each mountai ental hazards only. Num	n range. The FS is presently under merical ranking will, therefore, be
Category A: Category B:	EH > 20 EH between 7 and 20	in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Guajolote Mineralized Area PA 515-529

Includes: Homestake Mine 0046230211
Guajolote 0040230223
Enterprise Adit

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Eureau of Mines - IFOC

Management Unit: Corohado N.F Conelo Kills-la tagonia Mts.
Primary Name: Paymaster Mine
Alternate Name:
MASDB MILS Table Sequence number: 00/02303//
Date of Report: 1/13 Sample number(s): [A 5/5-529
LOCATION DATA
State: 12 County: Santa Cluz Township: 23.5 Range: 16.5 Section: 19. Latitude: N312448 Longitude: W1104428 Elevation (ft): 19.0 m 59381
Latitude: $\frac{\sqrt{3}/2498}{2}$ Longitude: $\frac{\sqrt{3}/28}{2}$ Elevation (ft): $\frac{\sqrt{5}}{2}$
7.5) or 15' Quadrangle Map Name: Harshaw Scale: 1:24000
Mining or Mineral District: fatagohia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer 📈 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
The of County of
Type of Operation:
Surface Underground \(\Lambda \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite Y Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \underline{X} Decline Shaft \underline{X} Glory Hole Small Pit or Trench (< 10 ft) \underline{X}
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed A Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
800 ft. of workings

N	7	١	т	Ε	R

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🔏 Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $_$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MRCHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a babitation of 1/2 mi from the cite (u/n)

- · · · · · · · · · · · · · · · · · · ·
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 'EH = A x B x C x D x E x F = (20.74)
Human Hazard (HH):
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = 9 x 2 x 1,2 x 1,2 x 1,2 x 1,3 x 1,2 x 1,3
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be
the gun on thirteonmental habards only. Hamerload rainting will, should be

OTHER

Are any of the following other features present?:

These are priority sites.
These sites should be examined
in order of rank after EH > 20 Category A: EH between 7 and 20 Category B:

Category C: EH < 7 category A is dealt with.
These sites may not need to be examined.

by EH as follows:

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Comado N.F Canelo Hills - Patagonia Mts.
Primary Name: Olive Mike
Alternate Name:
MASDB MILS Table Sequence number: 00/0230309
Date of Report: 9/93 Sample number(s): PA 534-535
LOCATION DATA
State: AZ County: Santa Cruz Township: 225 Range: 16E Section: 22
Latitude: N3/2507 Longitude: W1/042/3 Elevation (ft): 1669m
7.5' or 15' Quadrangle Map Name: Harshaw Scale: 1:24000
Mining or Mineral District Patagonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Elements produced and/or noted in geochemical analyses: Arsenic \underline{X} Cadmium Copper \underline{X} Lead \underline{X} Mercury \underline{X} Zinc \underline{X} Other \underline{X}
Status of Operation:
Past Producer K Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite \underline{X} Pyrrhotite $\underline{}$ Stibnite $\underline{}$ Other sulfide $\underline{}$ Limonite $\underline{}$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft \(\sum \) Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump 🔀 Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \neq$

Open to Entry X Partly Caved _ Concealed X Partly Concealed _

Shaff Length ___ x Width ___ x Height ___

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation __ Prone to Wind Erosion __ Other _____

HISTORICAL DATA (con't)

Milling Method:

Mark all conditions that apply:

Size of Feature (ft)

200ft deep

Are bodies of water found on or near the site? $(y/n) \neq$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? $(y/n) \neq$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing X Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MRCHINERY.
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \underline{X}
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures $oxtime X$ Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
GARADA GAY GUI AMTONO

Environmental Hazard (EH):

- Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- B = Status (Table E-2).
- C = Type (Table E-3). D =
- Size (Table E-4). Milling Method (Table E-5).
- Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

$${}^{1}EH = A \times B \times C \times D \times E \times F = \frac{20.74}{6 \times 2 \times 1.2 \times 1.2 \times 1 \times 1.2}$$

Human Hazard (HH):

- Commodity (Table E-1, Human column). Status (Table E-2).
- B =
- C = Type (Table E-3).
- D = Size (Table E-4).
- E = Milling Method (Table E-5).
 F = Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: Category B:

EH between 7 and 20

These are priority sites.
These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

Category C:

The category for this site is _______

^{&#}x27;Within a table, take only the highest value as the total value for that table.

"Notina Mineralized Area"

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Courselo N. F Conelo Kills - Patagonia MYs.
Primary Name: Winifred Mine
Alternate Name:
MASDB MILS Table Sequence number: 004 023 0 408
Date of Report: 9/13 Sample number(s): PA 539-54/
LOCATION DATA
State: AZ County: Sata Cruz Township: 235 Range: 16E Section: 28
Latitude: N3/2407 Longitude: W/10 4258 Elevation (ft): 1753m 575/84
7.5' or 15' Quadrangle Map Name: #arshau Scale: 1.27003
Mining or Mineral District. Patugonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead X Mercury X Zinc X Other X 5:/ve, X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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filling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
cid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $ ot \times$
Other FeOx X
Neutralizing Host Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Addit X Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern $_$ Solution Mining Well $_$ Mine Dump $ ot \!$
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) 💆
Mark all conditions that apply:
Open to Entry 🗡 Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft) Adi T Length 100007, x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $\underline{\lambda}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

			•	OTHER	
Are an	ny of t	the following	other featur	es present	?:
Drums	or Ta	nks Headi	Frames Tra	mways N	Bags Scrap Metal
Trest	les _	Wooden Str	octures Ov	erhead Cab	les Powerlines
Power	Power Substations Transformers Chemicals Other				
			HAZARD	CALCULATION	ıs
Envir	onment	al Hazard (El	I):		
	A = B = C = D = F =	or noted in noted. Status (Table Type (Table Size (Table Milling Methadid potential	analyses. Us le E-2). E-3). E-4). nod (Table E-5 ial: If any i	e the high 	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
		$^{1}EH = A \times B$ 6×2	X	F = (20.7)	9
Human	Hazar	d (EE):			
	A = B = C = D = F =	Status (Tab: Type (Table Size (Table Milling Met) Access (Tab:	E-3). E-4). nod (Table E-5	F = 46.6	
			PR	CORITY	
	Sites un on as fo	environmenta:	ked for each m l hazards only	ountain ra Numeric	nge. The FS is presently under al ranking will, therefore, be
	Categ Categ	ory A: ory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
	Categ	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is

 ${}^{\mathrm{l}}\underline{Within}$ a table, take only the highest value as the total value for that table.

```
(Shamrock Mineralized Area)
                                                Specularite Prospect 0040230369
 Includes: National Mine 004023 0297
                                                Jabalina
                                                                0040230210
          Golden Rose Mine 004023 0202
                                                               0040230234
                                                Isabella
                                                              00 / 023 0147 page 1/4
                                                chance
          Biglead Mine
          54. Joseph 0,4023 0,433 Serenta Mine? 640230354
AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
                             US Bureau of Mines - IFOC
  Management Unit: Coronsolo NF-Canolo Wills-Patagonia Mts.
  Primary Name: Shamrock Mine
  Alternate Name: _
  MASDB MILS Table Sequence number: 0040230355
                                      sample number(s): PA 603-641
  Date of Report: 9/23
                                   LOCATION DATA
                                                                          23,23,26,27
  State: AZ County: Santa Cruz Township: 235 Range: 15 E Section: 34,35
  Latitude: N312419 Longitude: W1104657 Elevation (ft): 1390my560RX
  (7.5) or 15' Quadrangle Map Name: Cumero Canyoh Scale: 1:24000
  Mining or Mineral District;
                                  HISTORICAL DATA
  Please mark with an X all that apply.
  Elements produced and/or noted in geochemical analyses:
  Arsenic \underline{X} Cadmium \underline{X} Copper \underline{X} Lead \underline{X} Mercury \underline{X} Zinc \underline{X} Other \underline{X}
  Status of Operation:
  Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
  Status Unknown __
  Type of Operation:
  Surface __ Underground X Surface and Underground __ Mineral Location __
  Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
  No Data ___
  Size based on production of ore to date:
  Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) __
  Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
  Large (over 1,000,000 st) ___
```

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Milling Method:
Amalgamation Arrastre Gravity Crusher only _ Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill \(\sum_{\text{Unknown}} \) Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite $ imes$ Pyrrhotite Stibnite Other sulfide $ imes$ Limonite $igselow$
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline _ Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern $_$ Solution Mining Well $_$ Mine Dump $ imes$ Mill Tailings $_$
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
shaft 2000 to down

IATER	
-------	--

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? $(y/n) \neq$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Ahalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site $\frac{X}{2}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

	OTHER				
Are any of the following other features present?:					
Drums or Tanks Head	iframes Tramways :	Bags Scrap Metal			
Trestles Wooden St	ructures Overhead Cab	les Powerlines			
Power Substations '	Power Substations Transformers Chemicals Other				
	HAZARD CALCULATION	rs			
Environmental Hazard (SH):				
	n analyses. Use the high $p = 100$ $=$	column) produced historically est number for commodities			
<pre>E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre>					
$^{1}EH = A \times B$	$\begin{array}{c} x \ C \ x \ D \ x \ E \ x \ F = \\ X \ _{1,2} \ X \ _{1,2} \ X \ _{1,2} \ \end{array}$	4)			
Human Hazard (HH):					
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). 'HH = A x B x C x D x E x F = Q x > x 1.2 x 1.2 x 1.8 2					
	PRIORITY				
		nge. The FS is presently under al ranking will, therefore, be			
	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.			
Category C:	EH < 7	These sites may not need to be examined.			

The category for this site is A.

 $^{^{4}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Buena Vista Mineralized Area

Includes: King Mine 004023 0249

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Corone Joff. F Canalo 16:11/s - Potogonia Mts.
Primary Name: Buena V; sta M; n.e.
Alternate Name: Goody, ew
MASDE MILS Table Sequence number: 00 / 023 0/3 6
Date of Report: 9/93 Sample number(s): PA642-707
LOCATION DATA
State: AZ County: Sata (Vaz Township: 235 Range: 15E Section: 36
Latitude: N3/2245 Longitude: W110 4606 Elevation (ft): 1494my 902 pt
7.5') or 15' Quadrangle Map Name: Cumero-Canyon Scale: 1, 34006
Mining or Mineral District: Pakgonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\frac{X}{X}$ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline _ Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 🗡 Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Brosion Other
Size of Feature (ft)
Length x Width x Height
shaft 70 ft, deep

Are bodies of water found on or near the site? (y/n)

Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? $(y/n) \not \perp$
If water is present, how does it occur?:
Standing Filled \(\sum_{\text{Partly Filled}} \) Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MRCHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
-
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal				
Trestles Wooden Structures Overhead Cables Powerlines				
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				
Environmental Hazard (EH):				
<pre>A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND</pre>				
neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 BH = A x B x C x D x E x F = 20.79 K > x 1.2 x 1.2 x X .2				
Human Hazard (HH):				
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). 'HH = A x B x C x D x E x F = \(\frac{16.66}{} \)				
9 x 2 x 1,2 x 1, x 1, 8				
PRIORITY				
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with. Category C: EH < 7 These sites may not need to be examined.				
The category for this site is \widehat{A} .				

 $^{{}^}t\!\underline{Within}$ a table, take only the highest value as the total value for that table.

Sycamore Canyon Mineralized Area

Includes: Cotohado Mines Inc. 0040230157 Dori Ann 0040230165

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado NF - Canelo Kills - Patagonio Mts.
Primary Name: Edna Group
Alternate Name:
MASDB MILS Table Sequence number: 00 40230175
Date of Report: $\frac{9/93}{}$ Sample number(s): $\frac{f h}{} 708 - 7/8$
LOCATION DATA
State: A? County: Santa (NY2 Township: 345 Range: 15E Section: 1, 12 Latitude: N3/22/6 Longitude: W1/046/0 Elevation (ft): 1370 m 4560f
Latitude: <u>N3/22/6</u> Longitude: <u>W//646/0</u> Elevation (ft):4560£
7.5') or 15' Quadrangle Map Name: Kino Springs Scale: 12/000
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead & Mercury & Zinc & Other & S:/vex_X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $lpha$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite
Pyrite $\underline{\times}$ Pyrrhotite Stibnite Other sulfide $\underline{\times}$ Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \nearrow$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed 🖔 Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Triable to the state

Are bodies of water found on or near the site? $(y/n) \frac{7}{2}$	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream X Lake Bay	
Other	
Is water present at the feature? (y/n)	
Is water being produced from the feature? (y/n) $_$	
If water is present, how does it occur?:	
Standing Filled Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/bl	ack
Other color	
MACHINERY	
Is machinery present at the site? (y/n)	
Location of Machinery:	
Inside Building Outside Building No Building, Other Locatio	n
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Ro	d Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Othe	r
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n)	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road 4WD Road to < 1/2 mi of site X	
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-	country _
There is a habitation $< 1/2$ mi from the site (y/n)	

OTHER

Are any of the following other features present?:	
Drums or Tanks Headframes Tramways Bags Scrap Metal	
Trestles Wooden Structures Overhead Cables Powerlines	
Power Substations Transformers Chemicals Other	
HAZARD CALCULATIONS	
Environmental Hazard (EH):	
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.	
B = Status (Table E-2).	
C = Type (Table E-3),	
D = Size (Table E-4).	
<pre>E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre>	
$^{1}EH = A \times B \times C \times D \times E \times F = (20.74)$	
6 x 2 x 1, 2 x 1, 2 x 1 x 1, 2 =	
Human Hazard (HH):	
A = Commodity (Table E-1, Human column).	
B = Status (Table E-2).	
C = Type (Table E-3).	
D = Size (Table E-4).	
E = Milling Method (Table E-5). F = Access (Table 9).	
HH = A x B x C x D x E x F = $\frac{(46.66)}{(46.66)}$	
PRIORITY	
Sites will be ranked for each mountain range. The FS is presently under	

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

```
Jackalo Mineralized Area)
Indules: Gross Mine 0040230735
                                                  | Marche Mine
                    Pronto Mino
                   Gladstone Mine
                                                                   Page 1/4
               Minesofa Mine
AML INVENTORY AND INVESTIGATION DATA ENTRY FORM
                         US Bureau of Mines - IFOC
Primary Name: Jackalo Mike
Alternate Name:
MASDE MILS Table Sequence number: 0040 230236
                                  sample number(s): PA 564-601
Date of Report: __
State: AZ County: SantaCruz Township: 235 Range: 16E Section: 3031
Latitude: N3/24/5 Longitude: W1/0 444/8 Elevation (ft): 1695 m 56/84
(7.5') or 15' Quadrangle Map Name: Harshaw and Cumpto Canyoh scale: 1:24000
                               Patagonia
Mining or Mineral District:
                              HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown __
Type of Operation:
Surface __ Underground X Surface and Underground __ Mineral Location __
Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __
No Data __
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __
Large (over 1,000,000 st) __
```

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite X Chalcopyrite X Galena X Marcasite _ Sphalerite X
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ \stackrel{\swarrow}{ extstyle ex$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \neq 0$
Mark all conditions that apply:
Open to Entry 🔀 Partly Caved 💢 Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall 🔀 Eroded _ Partly Eroded _ Intact _ Subsided 🔀
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🗴 Lake Bay
Other
Is water present at the feature? $(y/n) \neq$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $_$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n)

Are any of the following other features present?: Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __ Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __ Power Substations __ Transformers __ Chemicals __ Other _____

OTHER

HAZARD CALCULATIONS

Environmental Hazard (EH):

- A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- Status (Table E-2).
- Type (Table E-3).
- D = Size (Table E-4).
- Milling Method (Table E-5).

 Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

Human Hazard (HH):

- Commodity (Table E-1, Human column).
- B = Status (Table E-2).
- C = Type (Table E-3).
- D = Size (Table E-4).E = Milling Method (Table E-5).
- F = Access (Table 9).

9 X 2 X1.2 X 1.2 X 1 X 1.8 =

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites. EH between 7 and 20 Category B:

Category C:

These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is

Within a table, take only the highest value as the total value for that table.

(O'Maras Minerolized Area)

Includes: Molyrock 004023028

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Cotohodo N.F Canelo Kills - Patagonia Mountain
Primary Name: 0'Mara Mine
Alternate Name: Old Soldier Mike
MASDB MILS Table Sequence number: 004023 0310
Date of Report: 9/23 sample number(s): PA 507-514
LOCATION DATA
State: AZ county: Santa Cruz Township: 235 Range: 15E Section: 13
Latitude: N3/2552 Longitude: W/10 4549 Elevation (ft): 1689m 54/64.
7.5')or 15' Quadrangle Map Name: Cumero Cahyon Scale: //24000
Mining or Mineral District
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite _X Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \(\sum_{\text{Decline}} \) Decline \(\sum_{\text{Shaft}} \) Shaft \(\sum_{\text{Clory Hole}} \) Small Pit or Trench (< 10 ft) \(\sum_{\text{Clory Hole}} \)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height Shaft 60ft, Jaco

Are bodies of water found on or near the site? $(y/n) \neq$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 🔀 Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MRCHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/π)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n)

	OTHER
Are any	of the following other features present?:
Drums or	Tanks Headframes Tramways Bags Scrap Metal
Trestles	Wooden Structures Overhead Cables Powerlines
Power Su	bstations Transformers Chemicals Other
	HAZARD CALCULATIONS
Environm	ental Hazard (EH):
B C D E	<pre>Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Hilling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 'EH = A x B x C x D x E x F = 2.0.74 S x 2 x 1.2 x 1.2 x 1 x 1.2 T</pre>
Human Ha	zard (HH):
B C D E	= Commodity (Table E-1, Human column). = Status (Table E-2). = Type (Table E-3). = Size (Table E-4). = Milling Method (Table E-5). = Access (Table 9). hH = A x B x C x D x E x F = 46.66

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B: EH > 20 These are priority sites.
These sites should be examined EH between 7 and 20 in order of rank after category A is dealt with.
These sites may not need to be Category C: examined.

The category for this site is ______.

^{&#}x27;Within a table, take only the highest value as the total value for that

Denver Mineralized Alea

1A 479-489 Fachele: , B://y"D" 0080230116

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado- N. F Canelo- Hills - Patryonia Mo.
Primary Name: Denver Mike
Alternate Name:
MASDB MILS Table Sequence number: _0040230161
Date of Report: 9/93 Sample number(s): PA 479-489
LOCATION DATA
State: AZ County: State (FuZ Township: 235 Range: 15E Section: 2,11
Latitude: N3/2703 Longitude: WII04656 Elevation (ft): 1530 m/500 pt
(7.5) or 15' Quadrangle Map Name: <u>Cumero Canyon</u> Scale: 1:74000
Mining or Mineral District: Palmetto
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 💢 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Silling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
cid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena X Marcasite Sphalerite X
Pyrite $oldsymbol{lpha}$ Pyrrhotite Stibnite Other sulfide Limonite $oldsymbol{lpha}$
other FeOx 🔀
Weutralizing Host Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
adit $ imes$ Decline _ Shaft $ imes$ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved $_$ Concealed $_$ Partly Concealed $_$
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided

Foundation __ Prone to Wind Erosion __ Other ___

Size of Feature (ft)

Add Length 490 ft x Width ___ x Height ___

Are bodies of water found on or near the site? $(y/n) \checkmark$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

		O.	LILK	
Are any of	the followin	g other feature	s present	?:
Drums or Ta	nks _ Head	frames Tram	ways l	Bags Scrap Metal
restles _	Wooden Str	uctures Ove	rhead Cab	les Powerlines
Power Subst	ations T	ransformers	Chemical	s Other
		HAZARD C	ALCULATION	ıs
Environment.	al Hazard (E	H):		
D = E =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use le E-2). E-3). E-4). hod (Table E-5) ial: If any in	the high	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Buman Hazar	d (EE):			
C = D = E =	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5)		•
	1 HH = A x B $q \times ^{2}$	x C x D x E x :	F = (46.	66)
		PRI	ORITY	
Sites the gun on by EH as fo	environmenta	ked for each mo l hazards only.	untain ra Numeric	nge. The FS is presently under al ranking will, therefore, be
Categ	ory A:	EH > 20		These are priority sites.

Category B: EH between 7 and 20 Category C: EH < 7

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is

^{&#}x27;Within a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coursals N.F Cauelo Nills - la tagonia Mts,
Primary Name: Haist Mine
Alternate Name:
MASDB MILS Table Sequence number: 00 / 02 3 02/2
Date of Report: $\frac{9/93}{}$ Sample number(8): $\frac{9}{1}$ $\frac{9}{1}$
LOCATION DATA
State: AZ County: Santa Cruz Township: 235 Range: 16 E Section: 2/
Latitude: N3/25/0 Longitude: W/104307 Elevation (ft): 1725 Pp.
7.5) or 15' Quadrangle Map Name: //a s ha w Scale: / a 4000
Mining or Mineral District / a/agonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc X Other X Silver X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X. Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Ad: t Length 2008 x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 ¹ EH = A x B x C x D x E x F = 6 x 2 x 1/2 1/2 x 1/2 x 1/2 =
Human Hazard (HH):
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). IHH = A x B x C x D x E x F = 46.66 9 x 2 x 1.2 x 1.
Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites.

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is _A_.

 $^{^{\}mathrm{t}}\underline{\mathrm{Within}}$ a table, take only the highest value as the total value for that table.

Benton Mineralized Area

(Line Boy	Mine is patented
50	notineluded has

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Corohado NF - Canelo Kills - Patagonia Mts.
Primary Name: Benton Mino
Alternate Name: Alfonso Villy
MASDE MILS Table Sequence number: 004023 0///
Date of Report: 9/13 Sample number(s): PA 753-756
LOCATION DATA
State: AZ County: Santa Cruz Township: 245 Range: 16E Section: 15
Latitude: N3/2027 Longitude: W/104/39 Elevation (ft): 1722 m 5650ft
(1.5') or 15' Quadrangle Map Name: Duquesne Scale: /: 29000
Mining or Mineral (District): Patagohia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead X Mercury _ Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method.
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 📈 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \(\sum_{\text{Decline}} \) Decline \(\sum_{\text{Shaft}} \) Glory Hole \(\sum_{\text{Small Pit}} \) or Trench (< 10 ft) \(\frac{\chi}{\chi} \)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft) about
150 L Length /50 Lt x Width x Height

Are bodies of water found on or near the site? $(y/n) \neq 0$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (γ/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green _ Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS

Environmental Hazard (EH):

- Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- Status (Table E-2).
- Type (Table E-3).
- Size (Table E-4). D =
- E = Milling Method (Table E-5).
- Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

Human Hazard (HH):

- Commodity (Table E-1, Human column). Status (Table E-2).
- B =
- Type (Table E-3). C ==
- D = Size (Table E-4).
- Milling Method (Table E-5). E =
- Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 EH between 7 and 20 Category B:

These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

These are priority sites.

Category C: EH < 7

The category for this site

'Within a table, take only the highest value as the total value for that table.

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US Bureau of Mines - IFOC
Management Unit: Coronado NF - lategoria Mts.
Primary Name: Sahs, Mor /N. kg
Primary Name: Sahsimon Mine (Sahsimon Mineral 22) Area MASDB MILS Table Sequence number: 0040230347
MASDB MILS Table Sequence number: 0090230397
Date of Report: 3/93 Sample number(s): PA 5-15
LOCATION DATA
State: 1 County: Santa Cruz Township: 225 Range: 16 Section: 10 N3 lag 32min 07sec W 10 deg 4/1min 47sed, Elevation (ft): 45-3 ft.
7.5') or 15' Quadrangle Map Name:Mt. //44heS Scale: /:24,000
7.5) or 15' Quadrangle Map Name: Mt. Hughes scale: 1:24,000 Mining or Mineral District: Redrock Mining District
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🚣 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't) Milling Method: Gravity __ Crusher only __ Heap Leach __ Amalgamation ___ Arrastre Leach CIP __ Cyanidation __ Stamp __ Flotation ___ Jig Plant ___ Retort __ No Mill ___ Unknown Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena $\frac{X}{}$ Marcasite __ Sphalerite \underline{X} Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit $\frac{\mathcal{H}}{\mathcal{H}}$ Decline ___ Shaft $\frac{\mathcal{L}}{\mathcal{L}}$ Glory Hole ___ Small Pit or Trench (< 10 ft) $\frac{\mathcal{J}}{\mathcal{L}}$ Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern _ Solution Mining Well _ Mine Dump X Mill Tailings _ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other _____ Condition of site and/or feature Does the condition of the feature represent a hazard? (γ/n) Mark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation __ Prone to Wind Erosion __ Other ____ Size of Feature (ft) Length ____ x Width ___ x Height ____ shift 75 Ft. deep

Adi + 110 Ft.

Are bodies of water found on or near the site? $(y/n) \not\searrow$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\sum \) Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled \(\frac{\frac{1}{2}}{2} \) Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \underline{X}
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $\leq 1/2$ mi from the site (v/n)

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
$^{1}EH = A \times B \times C \times D \times E \times F = 6 \times 2 \times 1.2 \times 1.2 \times 1.2 = 20.74$ Human Hazard (HH):
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). 'HH = A x B x C x D x E x F = 9 x 1 x 1 x 1 x 1 x 1 x 1 8 =
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with. Category C: EH < 7 These sites any not need to be examined.
The category for this site is A.

 $^{^{\}mathrm{t}}\underline{\mathrm{within}}$ a table, take only the highest value as the total value for that table.

(Lead Queen Mineralizak area)

Includes: Basin Mine
Beway Mine
Great Silver Mine

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Cormado N. F Canelo Kills - tategonia Mts.
Primary Name: Lead Queen
Alternate Name:
MASDB MILS Table Sequence number: 0040230442
Date of Report: 8/93 Sample number(s): PA 146-/68
LOCATION DATA
State: AZ County: Santa Cruz Township: 225 Range: 16 5 Section: 33
Latitude: N3/7901 Longitude: W1/04308 Elevation (ft): 4875 87
(7.5') or 15' Quadrangle Map Name: Harshaw Scale: //2.7000
Mining or Mineral District: Harshaw HISTORICAL DATA
,
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X S://ex X
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Σ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite \nearrow Pyrrhotite Stibnite Other sulfide Limonite \nearrow Other FeOx \nearrow
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 6 Decline _ Shaft 2 Glory Hole _ Small Pit or Trench (< 10 ft) &
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \times X$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \triangle$
Please mark with an X all that apply:
Stream _ River _ Pond _ Intermittent Stream 🔀 Lake _ Bay _
Other
Is water present at the feature? (y/n) \times
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
•
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road. > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

		OIB	LEK	
Are any of	the followin	g other features	present	? :
Drums or Ta	nks Head	frames Tramwa	ays B	Bags Scrap Metal
Trestles _	. Wooden Str	uctures Over	head Cabl	les Powerlines
Power Subst	ations T	ransformers	Chemicals	other
		HAZARD CAL	CULATION	s
Environment	al Hazard (E	H):		
E =	or noted in noted. Status (Table Size (Table Milling Met Acid potent	analyses. Use file E-2). E-3). E-4). hod (Table E-5). ial: If any ind:	the highe icator mi	column) produced historically est number for commodities
			_	ent, F = 1.2; otherwise F = 1.0
	$(X)^{T}$	x C x D x E x F X/.2 x l,2 x l x l,2	= (20.7	4)
Human Hazar	d (HH):			
	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5). le 9).		
	'HH = A x B 9 x 2	x C x D x E x F x /. 2 x /. 2 X	= (36.2	9)
		PRIO		
	environmenta			nge. The FS is presently under al ranking will, therefore, be
		EH > 20 EH between 7 and	d 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
	•	EH < 7		These sites may not need to be examined.
The categor	w for this s	ito in (A. /		

 $[\]ensuremath{^{\text{W}}} \underline{\text{Uthin}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado N.F Canelo Hills-Patagonia Mountoins
Primary Name: New York
Alternate Name: New York Mineralized area) indudes Hale Group 00402302/3 MASDB MILS Table Sequence number: 0040230299 Read Bank Group 0040230192
MASDB MILS Table Sequence number: 0040230299
Date of Report: $\frac{8/93}{}$ Sample number(s): $\frac{6}{100}$
LOCATION DATA 7,8,9,10
State: AZ County: Sunta Cluz Township: 225 Range: 176 Section: 5/6/7/8 Latitude: N3/3/35 Longitude: W//03642 Elevation (ft): 1525 m 5003 Ft
Latitude: N3/3/35 Longitude: W/10 3642 Elevation (ft): 1525 m 5003 Ft
and my Kundo
Mining or Mineral District Redrock
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Elements produced and/or noted in geochemical analyses: Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other X S:/ven_X
Status of Operation:
Past Producer X Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface _ Underground _ Surface and Underground $reve{X}$ Mineral Location $reve{X}$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\stackrel{\checkmark}{\cancel{\longrightarrow}}$ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIF Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite X
Pyrite Y Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 5 Decline _ Shaft 7 Glory Hole _ Small Pit or Trench (< 10 ft) 7
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \neq 0$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
shelt 160lt doep

1	Are bodies of water found on or near the site? $(y/n) \not \perp$
	Please mark with an X all that apply:
5	Stream River Pond Intermittent Stream 🔀 Lake Bay
	Other
:	Is water present at the feature? $(y/n) \neq$
:	Is water being produced from the feature? (y/n)
:	If water is present, how does it occur?:
5	Standing Filled X Partly Filled Flowing Intermittent
1	If water is present, what color is it?:
F	Brown Green Yellow Yellow/orange Orange Gray/black
(Other color
	NA CHARACHA AND AND AND AND AND AND AND AND AND AN
	MACHINERY
	Is machinery present at the site? (y/n)
1	Location of Machinery:
	Inside Building Outside Building No Building, Other Location
:	Type of Machinery:
1	Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
1	Amalgamation Equipment Arrastre Ore Bins Tanks Other
	EXPLOSIVES
2	Are any explosives or blasting supplies found on the site? (y/n)
:	If present, give type and location
	ACCESS
	Access is by:
1	Maintained Road 4WD Road to < 1/2 mi of site $\frac{X}{}$
	4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
,	There is a habitation $< 1/2$ mi from the site (y/p)

VIII.
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2).</pre>
C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
${}^{1}EH = A \times B \times C \times D \times E \times F = $ $6 \times 2 \times 1.2 \times 1.2 \times 1 \times 1.2 = 20.74$
Human Hazard (HH):
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = (24.16)
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after
Category C: EH < 7 Category A is dealt with. These sites may not need to be examined.
The category for this site is

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado N.F Canelo Wills - Patagonia Mauxtoins
- 1 Pl. to Mine (Blank Arp)
Alternate Name: Callet Mineralized Area include Sensen Group 0040230241 MASDB MILS Table Sequence number: 0040230063 MASDB MILS Table Sequence number: 0040230063
MASDB MILS Table Sequence number: 004023 0063
Date of Report: 8/93 Sample number(s): PA 70-89
LOCATION DATA
AZ Senta Chuz
State: AZ county: Santa Cfuz Township: 225 Range: 17 E section: 1423 Latitude: N 3/3/27 Longitude: W 110 3532 Elevation (ft): 1593 m
Latitude: N 3/3/27 Longitude: W 110 3532 Elevation (ft): 1593 m
7.5' or 15' Quadrangle Map Name: O'Donne Canyon Scale: 1'.74000
Mining or Mineral District: Redrock
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic \(\sum \) Copper \(\sum \) Lead \(\sum \) Mercury \(\sum \) Zinc \(\sum \) Other \(\sum \) Silver \(\sum \)
Status of Operation:
Past Producer 🔀 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
,
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

illing method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗴 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite 🗡 Galena Marcasite Sphalerite
ryrite Pyrrhotite Stibnite Other sulfide Limonite \(\times \)
Weutralizing Host Rock:
olomite Limestone Marble Micrite Sparite
other Carbonate,
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
dit $\underline{\mathcal{S}}$ Decline $\underline{\mathbb{X}}$ Shaft $\underline{\mathcal{S}}$ Glory Hole Small Pit or Trench (< 10 ft) $\underline{\mathcal{S}}$
arge Pit (> 10 ft) Quarry Placer Building Machinery
Sistern Solution Mining Well Mine Dump X Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
other
Condition of site and/or feature
loes the condition of the feature represent a hazard? $(y/n) \not\succeq$
Mark all conditions that apply:
open to Entry X Partly Caved Concealed Partly Concealed
Collapsed 🛴 Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Coundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height
no fult 70 H, deep

Are bodies of water found on or near the site? $(y/n) \neq 0$				
Please mark with an X all that apply:				
Stream River Pond Intermittent Stream X Lake Bay				
Other				
Is water present at the feature? $(y/n) \not \succeq$				
Is water being produced from the feature? (y/n)				
If water is present, how does it occur?:				
Standing Filled X Partly Filled Flowing Intermittent				
If water is present, what color is it?:				
Brown Green Yellow Yellow/orange Orange Gray/black				
Other color				
WATER TARREST				
MACHINERY				
Is machinery present at the site? (y/n)				
Location of Machinery:				
Inside Building Outside Building No Building, Other Location				
Type of Machinery:				
Flotation Cell _ Retort _ Stamp Mill _ Crusher _ Ball or Rod Mill _				
Amalgamation Equipment Arrastre Ore Bins Tanks Other				
EXPLOSIVES				
Are any explosives or blasting supplies found on the site? (y/n)				
If present, give type and location				
ACCESS				
Access is by:				
Maintained Road 4WD Road to < 1/2 mi of site 🔀				
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country				
Whose is a habitation of 1/2 mi from the gite (u/n)				

OTHER

Are any c	f the following	ng other featur	es present	?:
Drums or	Tanks Head	dframes Tra	mways I	Bags Scrap Metal
Trestles	Wooden St	ructures Ov	erhead Cab	les Powerlines
Power Sub	stations	Transformers	Chemical	other
		HAZARD	CALCULATION	rs
Environme	ntal Hazard (EH):		
D =	or noted in noted. Status (Tall Type (Table Size (Table Milling Met Acid potents	n analyses. Us ple E-2). s E-3). E E-4). thod (Table E-5 tial: If any i	e the higher). ndicator m	column) produced historically est number for commodities $inerals \ \text{were checked AND} \\ ent, \ F = 1.2; \ \text{otherwise} F \approx 1.0$
	EH = A x E	X / 2 X / 2 X / X X X X X X X X X X X X	F = 20.7	¥)
Human Haz	ard (HH):		•	
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = 9 x 1.5 x 1.2 x 1.8 z 2.4 (4.8 z 5.4).				
	PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
	egory A: egory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Cat	egory C:	EH < 7		These sites may not need to be examined.

The category for this site is (A).

Within a table, take only the highest value as the total value for that table.

Large (over 1,000,000 st) ___

HISTORICAL DATA (con't) Milling Method: Amalgamation Arrastre ___ Gravity __ Crusher only __ Heap Leach __ CIP __ Cyanidation __ Stamp __ Flotation __ Leach __ No Mill X Jig Plant ___ Retort ___ Unknown Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __ Other FeOx Neutralizing Host Rock: Dolomite __ Limestone X Marble __ Micrite __ Sparite __ Other Carbonate __ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit X Decline X Shaft X Glory Hole _ Small Pit or Trench (< 10 ft) X Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump X Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other ___ Condition of site and/or feature Does the condition of the feature represent a hazard? $(y/n) \rightarrow$ Mark all conditions that apply: Open to Entry X Partly Caved _ Concealed _ Partly Concealed _ Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _ Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _ Foundation __ Prone to Wind Erosion __ Other ____ Size of Feature (ft) Length ____ x Width ___ x Height ___

60 Bt deep shalt

Are bodies of water found on or near the site? $(y/n) \not \succeq$			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road 4WD Road to < 1/2 mi of site $\frac{X}{}$			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n)			

OTHER

are any of the following other features present?:				
orums or Ta	rums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles	Wooden Str	uctures Over	rhead Cab	les Powerlines
Power Subst	ations T	ransformers	Chemicals	Other
		HAZARD CA	LCULATION	s
Environment	al Hazard (E	H):		
A =				column) produced historically est number for commodities
E =	Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	E-3). E-4). hod (Table E-5). ial: If any inc g hos rocks are	dicator ma not prese	inerals were checked AND ant, $F = 1.2$; otherwise $F = 1.0$
Human Hazar	¹ EH = A x B	x C x D x E x F X/2 x l x X x	= (17.28	3
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9).				
HH = A X B X C X D X E X F = (46.66)				
PRIORITY				
Sites the gun on by EH as fo	environmenta	ked for each mod l hazards only.	untain rai Numerica	nge. The FS is presently under al ranking will, therefore, be
Categ		EH > 20 EH between 7 au EH < 7	nd 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.
mh+		(B)		

^{&#}x27;Within a table, take only the highest value as the total value for that table.

(Hidden Mineralized Area)

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado N.F. Canelo Kills - Patogonia Mts.
Primary Name: Kilder
Alternate Name: Bluebird, Bluebird 1, 2, 3
MASDB MILS Table Sequence number: 0040230125
Date of Report: $\frac{8/93}{}$ Sample number(s): $\frac{9}{106} = \frac{15}{}$
LOCATION DATA
State: AZ County: Suta(ruz Township: 225 Range: 16 E Section: 15,22
V30/ F4 Latitude: N3/3052 Longitude: W/10 /2-/3 Elevation (ft): 13 // m
7.5' or 15' Quadrangle Map Name: Mt. Hughes Scale: 1:2/000
Mining or Mineral District Harshaw
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc Other S./ven X
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit X Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) 6
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \neq 0$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft) Ait Length 30 ft x Width Y t x Height

Are bodies of water found on or near the site? $(y/n) \nearrow$			
Please mark with an X all that apply:			
Stream River Pond Intermittent Stream X Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (y/n)			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
MACHINERY			
Is machinery present at the site? (y/n)			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n)			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road \times 4WD Road to < 1/2 mi of site			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n)			

OTHER

are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags Scrap Metal				
Trestles	Wooden Structures Overhead Cab	les Powerlines		
Power Substa	ations Transformers Chemical	sOther		
	HAZARD CALCULATION	ıs		
Environmenta	al Hazard (EH):			
A =	Commodity (Table E-1, Environmental or noted in analyses. Use the high noted. Status (Table E-2).	column) produced historically est number for commodities		
C =	Type (Table E-3).			
E =	Size (Table E-4). Milling Method (Table E-5).			
F =	Acid potential: If any indicator m neutralizing hos rocks are not pres	<pre>inerals were checked AND ent, F = 1.2; otherwise F = 1.0</pre>		
	1EH = A x B x C x D x E x F = 6 X 1.2 x 1.2 X 1.2 X 1 X 1.2 = (12,	44		
Human Hazaro	d (HH):			
<pre>A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9).</pre>				
$^{1}HH = A \times B \times C \times D \times E \times F = \underbrace{3//0}$				
	4 X 1 X C X D X F X L Z			
	PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
	ory A: EH > 20 ory B: EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.		
Categ	ory C: EH < 7	These sites may not need to be examined.		
The category for this site is \widehat{B} .				

 $^{{}^{}t}\!\underline{Within}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado NF Canelo Hills - Patagonia Mts,
Primary Name: fo //y wog 6 roup
Primary Name: Polly wag Group Alternate Name: Paymaster Spring
MASDB MILS Table Sequence number: 0040230008
MASDB MILS Table Sequence number: 0040230088 Date of Report: 9/93
LOCATION DATA
State: AZ County: Sento CtuZ Township: 235 Range: 16E Section: 21
Latitude: 1/3/2436 Longitude: W//0 1/220 Elevation (ft): 1676 m 5499ft
7.5) or 15' Quadrangle Map Name: Harshaw Scale: 1,24000
Wining or Mineral District: Patagonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead Mercury X Zinc X Other X
Status of Operation:
Past Producer _ Explored Prospect \(\sum_{\text{Naw Prospect}} \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite $igtee Z$ Pyrrhotite Stibnite Other sulfide Limonite Other FeOx $igtee Z$
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $ ot \succeq$ Decline $ ot \succeq$ Shaft $ ot \succeq$ Glory Hole $ ot \succeq$ Small Pit or Trench (< 10 ft) $ ot \succeq$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry 🔀 Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Adit Length 30fd, x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
other X Sphing
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
· · — — — — — — — — — — — — — — — — — —
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $\stackrel{\textstyle extsf{X}}{\sim}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

Are any of the	e following other feat	ures present?	•	
-			Bags Scrap Metal	
	Wooden Structures			
Power Substati	ions Transformers	Chemicals	other	
	HAZAR	D CALCULATION	s	
Environmental	Environmental Hazard (EH):			
On no	r noted in analyses. oted. tatus (Table E-2). ype (Table E-3). ize (Table E-4). illing Method (Table I cid potential: If an	Use the higher E-5). v indicator mi	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0	
	$EH = A \times B \times C \times D \times E$ $\begin{cases} X_{1} \times X_{1} \times X_{2} \times X_{1} \times X_{1} \end{cases}$	$\mathbf{x}'\mathbf{F} = (12,99)$		
Human Hazard	(HH):			
B = S1 C = TT D = S: E = M. F = Ac	commodity (Table E-1, 1 tatus (Table E-2). ype (Table E-3). ize (Table E-4). iilling Method (Table 1 ccess (Table 9). HH = A x B x C x D x E q x l, x x l, x x l, x x l, x x l	E-5).	9)	
PRIORITY				
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
Categor Categor Categor	Y B: EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be	
examined. The category for this site is				

 $[\]frac{^{1}\text{Within}}{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Cowado N.f Canelo Wills - Patagonia Mts.
Primary Name: May
•
Alternate Name:
MASDB MILS Table Sequence number: 00 4 023 0279
Date of Report: 9/93 Sample number(s): PA602
LOCATION DATA
State: AZ County: Santa CruZ Township: 235 Range: 156 Section: 24
Latitude: N3/2458 Longitude: W/O 4602 Elevation (ft): 4800 ft.
7.5) or 15' Quadrangle Map Name: Cumero Canyon Scale: 1/24000
Mining or Mineral District: Fatagohia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other 5://weX
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground $ imes$ Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔀 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $ ot X$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft X Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Fond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \not \perp$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Shaff Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \neq 0$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X_
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER				
Are any of the following other features present?:				
Drums or Tanks Headframes Tramways Bags _	_ Scrap Metal			
Trestles Wooden Structures Overhead Cables	Powerlines			
Power Substations Transformers Chemicals Other				
HAZARD CALCULATIONS				
Environmental Hazard (EH):				
<pre>A = Commodity (Table E-1, Environmental column</pre>				
<pre>D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator mineral neutralizing hos rocks are not present, F</pre>				
${}^{1}EH = A \times B \times C \times D \times E \times F = (12.44)$ $6 \times 1.2 \times 1.2 \times 1.4 \times 1.2 = (12.44)$				
Human Hazard (HH):				
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9).				
HH = A x B x C x D x E x F = (7.99) 9 x 1.2x1.2x1.2 x 1 x 1.8 =				
PRIORITY				
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:				
Category B: EH between 7 and 20 These in or	e are priority sites. e sites should be examined der of rank after ory A is dealt with.			
	sites may not need to be			

The category for this site is

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

(Four Metals Mineralized Area)

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Cotonado N. F Canelolfills - Patagonia Mts.
Primary Name: Four Metals Mine
Alternate Name: Red H: //
MASDB MILS Table Sequence number: 0040230193
Date of Report: 9/93 Sample number(s): PA 542-563
LOCATION DATA
State: AZ County: Santa Cruz Township: 235 Range: 16E Section: 29
Latitude: N317353 Longitude: W1104413 Elevation (ft): 15127614
(1.5) or 15' Quadrangle Map Name: Harshaw Scale: (1.7000)
Mining or Mineral District: Palagonia
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead X Mercury X zinc X other X S://wa. X
Status of Operation:
Past Producer Explored Prospect \(\frac{1}{2} \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 😾 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite _ Chalcopyrite \(\sumeq \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite X
Other FeOx 🔀
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \(\frac{1}{2} \) Decline \(\) Shaft \(\) Glory Hole \(\) Small Pit or Trench (< 10 ft) \(\)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{\checkmark}{/}$
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed Y Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tength y Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\times \) Lake Bay
Other
Is water present at the feature? $(y/n) \neq$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled X Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $\overset{ extstyle }{\angle}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

:		OTHER	
Are any of the	following other	features present	?:
Drums or Tanks	Headframes	Tramways	Bags Scrap Metal
Trestles Wo	oden Structures	Overhead Cab	les Powerlines
Power Substatio	ns Transfor	mers Chemical	s Other
	1	HAZARD CALCULATION	NS
Environmental H	azard (EH):		
or not B = Sta C = Typ D = Siz E = Mil F = Aci neu	noted in analysed. tus (Table E-2) e (Table E-3). e (Table E-4). ling Method (Tad potential: Itralizing hos r		column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazard (H	•		
B = Sta C = Typ D = Siz E = Mil F = Acc	tus (Table E-2) e (Table E-3). e (Table E-4). ling Method (Ta ess (Table 9). = A x B x C x 1	ble E-5).	
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			
Category Category		ween 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category	C: EH < 7	,	These sites may not need to be examined.

The category for this site is $\underline{\quad \ \ \ \, }$.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Cotonado NF - Canelo 18:1/5 - Patagodia Mountoins
Primary Name: Candeletio Peak
Alternate Name:
MASDB MILS Table Sequence number: 00402304/5
Date of Report: 8/93 Sample number(s): PA 3-4
LOCATION DATA
State: AZ County: Santa Chuz Township: 235 Range: 17E Section: 6
Latitude: N3/33/6 Longitude: W110 3937 Elevation (ft): 539 meters
7.5') or 15' Quadrangle Map Name: Mt, flughes Scale: 1: 47000
Mining or Mineral District: Redrock Mining District
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury _ Zinc X Other X_
Status of Operation:
Past Producer Explored Prospect \(\sum_{\text{Raw Prospect }} \) Developed Prospect
Status Unknown 💢
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer _ Prospect X Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method: Amalgamation ___ Arrastre __ Gravity __ Crusher only __ Heap Leach __ Leach __ CIP __ Cyanidation __ Stamp __ Flotation __ No Mill X Unknown ___ Jig Plant ___ Retort ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __ Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Addt __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) / Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other ____ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n)Mark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other ___

Size of Feature (ft)

Then Length 50 x Width 20 x Height ____

Are bodies of water found on or near the site? (y/n) $ ot M$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \cancel{p}
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
MACHINERY 7
Is machinery present at the site? (y/n) ,
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
II present, give tipe and issues.
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

nie any or c	the followin	ig other reactive pres	enc., ,
Drums or Tar	nks Head	Grames Tramways _	Bags Scrap Metal
Trestles	Wooden Str	cuctures Overhead	Cables Powerlines
Power Substa	ations T	fransformers Chemi	cals Other
		HAZARD CALCULAT	PIONS
Environments	al Hazard (E	SH):	
A =			tal column) produced historically ighest number for commodities
B =	Status (Tab		
C = D =	Type (Table		
E =	Milling Met	chod (Table E-5).	
F =			r minerals were checked AND resent, F = 1.2; otherwise F = 1.0
	1EH = A x B	X C X D X E X F =	12.49
Human Hazard		`	
E =	Status (Table Type (Table Size (Table	e E-3). e E-4). ehod (Table E-5).	mn).
	HH = A x B	xCxDxExF=	
			20.74)
		PRIORITY	
	environment <i>a</i>		range. The FS is presently under rical ranking will, therefore, be
Catego Catego	ory A: ory B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Catego	ory C:	EH < 7	category A is dealt with. These sites may not need to be examined.

OTHER

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado N.F Canelo Kills - Patagonia Mountains
Management Unit: Coronado 10.11 - Canello 781/15 7 al 19 0 17 1
Primary Name:
Alternate Name:
MASDB MILS Table Sequence number: 0046230372
Date of Report: 8/93 Sample number(s): PA 68, 69
LOCATION DATA
State: AZ County: SataCtuz Township: 225 Range: 17E Section: 22
Latitude: N3/3043 Longitude: W//03600 Elevation (ft): 1562 meters
7.5 or 15' Quadrangle Map Name: O'lohhell Cahyoh Scale: 1/, 24000
Mining or Mineral District Red Fock Scale: 11,24000
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper X Lead _ Mercury X Zinc X Other X
s; luer t
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
The of Counties
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔬 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill $oxtimes$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \perp Decline \perp Shaft \perp Glory Hole \perp Small Pit or Trench (< 10 ft) \perp
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

. 1
Are bodies of water found on or near the site? $(y/n) \neq 0$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site $\frac{\chi}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

,	OTHER	
Are any of t	the following other features present	?:
Drums or Tar	nks Headframes Tramways	Bags Scrap Metal
Trestles	Wooden Structures Overhead Cab	les Powerlines
Power Substa	ations Transformers Chemical	s Other
	HAZARD CALCULATION	is
Environments	al Hazard (EH):	
A = C =	Commodity (Table E-1, Environmental or noted in analyses. Use the high noted. Status (Table E-2). Type (Table E-3).	
D = E = F =	Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator m. neutralizing hos rocks are not pres	
	¹ EH = A x B x C x D x E x F = 6 X 2X 2 X 2 X x x 2	_
Human Hazard	d (HH):	
A = B = C = D = E = F =	Commodity (Table E-1, Human column) Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Access (Table 9).	
	HH = A x B x C x D x E x F = (19.4) 9 x 1 x/.2 X 1 x 1 x 1.8 =	(4)
	PRIORITY	
Sites the gun on e by EH as fol	will be ranked for each mountain ra environmental hazards only. Numeric llows:	nge. The FS is presently under al ranking will, therefore, be
	ory A: EH > 20 ory B: EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C: EH < 7	These sites may not need to be examined.
The category	y for this site is (B) .	

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Canelo Hills - latagonia Mountains
Primary Name: Copper Mountain
Alternate Name:
MASDE MILS Table Sequence number: 004023 0441
Date of Report: 8/93 Sample number(s): PA 16, 17
LOCATION DATA
State: AZ county: Santa CryZ Township: 225 Range: 17E Section: 5
Latitude: N3/3257 Longitude: W 110 3 80 8 Elevation (ft): Y800 F+
(7.5) or 15' Quadrangle Map Name: Mt. Hughes Scale: 1:24000
Mining or Mineral District Redrock
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium X Copper X Lead X Mercury _ Zinc X Other X
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔏 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite 💢 Galena Marcasite Sphalerite 💢
Pyrite Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit _ Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \frac{1}{1}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \neq 0$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream 📈 Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MÁCHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

		OTH	ER
Are any of	the following	ng other features	present?:
Drums or T	anks Head	dframes Tramwa	ays Bags Scrap Metal
Trestles _	_ Wooden St	ructures Overh	nead Cables Powerlines
Power Subs	tations ?	Transformers C	Chemicals Other
		HAZARD CAL	CULATIONS
Environmen	tal Hazard (I		
SHVIIOIMCH	car nazara (.	3B).	
A = B =	or noted in noted. Status (Tak	n analyses. Use tole E-2).	onmental column) produced historically the highest number for commodities
C =		⊋ E-3).	
D = E =		e E-4). thod (Table E-5).	
F =	Acid potent	tial: If any indi	cator minerals were checked AND not present, F = 1.2; otherwise F = 1.0
	¹ EH = A × B	x C x D x E x F = 2 X 1.2 X 1.2 X 1 X 1.2	= (12,44)
Human Haza	rd (HH):		
A = B = C = D = E = F =	Status (Tak Type (Table Size (Table Milling Met	e E-3). e E-4). thod (Table E-5).	column).
	עע – אינו	x C x D x E x F =	_ (13,44)
		X1.2 X X X .Y	
		PRIOR	RITY
	environmenta		stain range. The FS is presently under Numerical ranking will, therefore, be
	gory A: gory B:	EH > 20 EH between 7 and	These are priority sites. 1 20 These sites should be examined in order of rank after category A is dealt with.
Caka	C.	PU - 7	There with a mount with.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Gard-NF-Good-Kills-Patagonio Mountains
Management Unit: Coronado N.F Canalo Kills - Patagonio Mountains Primary Name: RJ M
Primary Name: RJ
Alternate Name:
MASDB MILS Table Sequence number: 0040230446
Date of Report: 8/93 Sample number(s): PA 67
LOCATION DATA
State: AZ county: SataCruz Township: 225 Range: 17E section: 21
Latitude: N3/3038 Longitude: W1/03658 Elevation (ft): 1487m
7.5' or 15' Quadrangle Map Name: O'Pohnell Causon Scale: 152/000
Mining or Mineral District) Red tock
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead Mercury Zinc Other X
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect $\overset{\checkmark}{\boxtimes}$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🖄 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st) '

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) X
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \checkmark$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)					
Please mark with an X all that apply:					
Stream River Pond Intermittent Stream X Lake Bay					
Other					
Is water present at the feature? (y/n)					
Is water being produced from the feature? (γ/n)					
If water is present, how does it occur?:					
Standing Filled Partly Filled Flowing Intermittent					
If water is present, what color is it?:					
Brown Green Yellow Yellow/orange Orange Gray/black					
Other color					
MACHINERY					
Is machinery present at the site? (y/n)					
Location of Machinery:					
·					
Inside Building Outside Building No Building, Other Location					
Type of Machinery:					
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill					
Amalgamation Equipment Arrastre Ore Bins Tanks Other					
EXPLOSIVES					
Are any explosives or blasting supplies found on the site? (y/n) $_$					
If present, give type and location					
MODES					
ACCESS					
Access is by:					
Maintained Road $_$ 4WD Road to < 1/2 mi of site X					
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country					
Those is a habitation $< 1/2$ mi from the site (y/D)					

	OTHER						
Are any of the following other features present?:							
Drums or Tanks Headframes Tramways Bags Scrap Metal							
Trestles	Wooden Structures Overhead Cab	les Powerlines					
Power Subst	ations Transformers Chemical	sOther					
HAZARD CALCULATIONS							
Environment	al Hazard (EH):						
	Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator m neutralizing hos rocks are not pres	est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0					
	$^{1}EH = A \times B \times C \times D \times E \times F = $ $6 \times 1 \times 1.2 \times 1.2 \times 1 \times 1 = $ 8.69						
Human Hazar	d (HH):)					
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9). HH = A x B x C x D x E x F = (15./2) 7 x x/.2 x / x/.8 = (15./2)							
PRIORITY							
	will be ranked for each mountain ra environmental hazards only. Numeric llows:						
Categ	ory A: EH > 20 ory B: EH between 7 and 20 ory C: EH < 7	These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.					
The category for this site is (β) .							

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Coronado NF Canelo Hills - Patagonia Mts
Management Unit: Colorado VII. Canglo VIII.
Primary Name: Blue Bird Group
Alternate Name:
MASDB MILS Table Sequence number: 004023 0009
Date of Report: 9/93 Sample number(s): PA 759-762
LOCATION DATA
State: AZ County: Santa Cruz Township: 225 Range: 18E section: 33
Latitude: N3/2902 Longitude: W1103/28 Elevation (ft): 5426 84
Mining or Mineral District: Canelo Pass scale: /;24000
Mining or Mineral District: Not in Ohe
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other X /\ Maganese_X
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface \underline{X} Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite Other FeOx \(\subseteq \)
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate ,
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) $\frac{2}{-}$
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{\checkmark}{/}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Treamb Length 20 lt width x Height

Are bodies of water found on or near the site? (y/n)					
Please mark with an X all that apply:					
Stream River Pond Intermittent Stream Lake Bay					
Other					
Is water present at the feature? (y/n)					
Is water being produced from the feature? (y/n)					
If water is present, how does it occur?:					
Standing Filled Fartly Filled Flowing Intermittent					
If water is present, what color is it?:					
Brown Green Yellow Yellow/orange Orange Gray/black					
Other color					
MACHINERY					
Is machinery present at the site? (y/n)					
Location of Machinery:					
Inside Building Outside Building No Building, Other Location					
Type of Machinery: Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill					
Amalgamation Equipment Arrastre Ore Bins Tanks Other					
Amaigamation Equipment Affastre Ole Bins I lanks Other					
EXPLOSIVES					
Are any explosives or blasting supplies found on the site? (y/n)					
If present, give type and location					
ACCESS					
Access is by:					
Maintained Road 4WD Road to < 1/2 mi of site					
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country					
There is a habitation $< 1/2$ mi from the site (v/n)					

OTHER

Are any of the following other features present?:						
Drums or Tanks Headframes Tramways Bags Scrap Metal						
Trestles Wooden Structures Overhead Cables Powerlines						
Power Substations Transformers Chemicals Other						
HAZARD CALCULATIONS						
Environmental Hazard (EE):						
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0						
'EH = A x B x C x D x E x' F = $3 \times 1.2 \times$						
A = Commodity (Table E-1, Human column). B = Status (Table E-2). C = Type (Table E-3). D = Size (Table E-4). E = Milling Method (Table E-5). F = Access (Table 9).						
${}^{1}HH = A \times B \times C \times D \times E \times F = 9.33$ $3 \times 1.9 \times 1.2 \times 1.2 \times 1.8 = 9.33$						
PRIORITY						
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:						
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with. Category C: EH < 7 These sites may not need to be						
examined. The category for this site is						

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

PELONCILLO

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Peloncillo
Primary Name: Silver Tip Mine
Alternate Name:
MASDB MILS Table Sequence number: 0040030747
Date of Report: 8-10-93 Sample number(s): PE 4-19
LOCATION DATA
State: Ac County: Cochise Township: 235 Range: 325 Section: 26
Latitude: N312854 Longitude: W/090323 Elevation (ft):
7.5' or 15' Quadrangle Map Name: Guadalupe Spring Scale: 7.5
Mining or Mineral District: Cottonwood Basin
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury \(\times \) Zinc Other \(\times \)
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown 🗶
Type of Operation:
Surface Underground Surface and Underground \(\times \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \times Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $ ot \succeq$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite 🔀 Chalcopyrite Galena Marcasite Sphalerite
Pyrite $igselow{ imes}$ Pyrrhotite $igselow{ imes}$ Stibnite $igselow{ imes}$ Other FeOx $igselow{ imes}$
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.) Adit 2 Decline Shaft / Glory Hole Small Pit or Trench (< 10 ft) 2
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
- Width y Waight

\
Are bodies of water found on or near the site? (y/n) \nearrow
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \(\sum \) Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled $igselow{igselow}{}$ Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
PARCELL STATE OF THE STATE OF T
Is machinery present at the site? (y/n) \underline{V}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\textstyle \textstyle \!$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site \times
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

re any of t	the following	other featu	res present?	:	
rums or Tanks Headframes Tramways Bags Scrap Metal					
restles	Wooden Stru	ctures 0	verhead Cabl	es Powerlines	
ower Substa	ations Tr	ansformers	_ Chemicals	Other	
		HAZARD	CALCULATION	s	
nvironmenta	al Hazard (EF	I):			
/ E =	or noted in noted. Status (Tabl Type (Table Size (Table Milling Meth Acid potentineutralizing	analyses. Using the E-2). E-3). E-4). He condition of the E-1. The condition of the E-1. The condition of the E-1.	se the highe 5). indicator mi re not prese	column) produced historically st number for commodities nerals were checked AND ont, F = 1.2; otherwise F = 1.0	
luman Hazaro	HH):				
1, 2-D = 1, 2-D = 1, 2-C =	Status (Table Type (Table Size (Table Milling Meth Access (Table	E-3). E-4). nod (Table E-	5).		
PRIORITY					
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:					
		EH > 20 EH between 7		These are priority sites. These sites should be examined in order of rank after category A is dealt with.	
Catego	ory C:	EH < 7		These sites may not need to be examined.	

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

PINALENO-GREASEWOOD

							page
Pinaleno Greasewood Mtns.	Gold Gulch prospects	PI 21-38	N323750	W1095427	12.5	-	E 269
Pinaleno-Greasewood Mtns.	Black Beauty prospect	PI 14-20	N324119	W1100330	17.3	В	E 271
Pinaleno-Greasewood Mtns.	President Mine	PI 6- 8	N324345	W1100520	12.5	В	E 273
Pinaleno-Greasewood Mtns.	Unnamed shaft	PI 47	N322730	W1094916	10.4	В	E 275
Pinaleno-Greasewood Mtns.	Unnamed adit	PI 57-60	N323507	W1094547	10.4	В	E 277
Pinaleno-Greasewood Mtns.	Unnamed adit	PI 1	N324457	W1100649	10.4	В	E 279
Pinaleno-Greasewood Mtns.	Unnamed prospects	PI 49-51	N322827	W1094437	08.7	В	E 281
Pinaleno-Greasewood Mtns.	Unnamed shaft	PI 39-40	N323545	W1095230	08.7	В	€ 283
Pinaleno-Greasewood Mtns.	Unnamed prospect	PI 64-65	N324150	W1094724	01.7	С	E 285
Pinaleno-Greasewood Mtns.	Unnamed shaft	PI 56	N323006	W1094601	01.4	C	E 287

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Thaleho- Greasewood MTns.
Primary Name: Gold Gulch Prospects
Alternate Name:
MASDB MILS Table Sequence number: 00400 900 41 : 0262 ; 0266; 0277
Date of Report: $8-4-93$ Sample number(s): PI 2/-38
LOCATION DATA
State: A2 county: Graham Township: 95 Range: 245 Section: 20,29
Latitude: N 323750 Longitude: W 1095427 Elevation (ft): 5,400
7.5' or 15' Quadrangle Map Name: Fort Grant, Webb Peak scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other X
Status of Operation:
Past Producer Explored Prospect \(\sum \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \succeq Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $ imes$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 3 Decline Shaft / Glory Hole Small Pit or Trench (< 10 ft) /2
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \sum
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\[\underline{\ } \]$
If water is present, how does it occur?:
Standing Y Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color <u>Clear</u>
MACHINERY
Is machinery present at the site? (y/n) <u>M</u>
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Analysis of San
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle {\cal N}}{}$
If present, give type and location
ACCREC
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
Thoro is a habitation of 1/2 mi from the site (v/n) h

	OTHER	
Are any of t	the following other features present?:	
Drums or Tar	nks Headframes Tramways Bags Scrap Metal	
Trestles	Wooden Structures Overhead Cables Powerlines	
Power Substa	ations Transformers Chemicals Other	
	HAZARD CALCULATIONS	
Environmenta	l Hazard (EH):	
1.2 B = 1.2 D = 1 E = 1.2 F =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 'EH = A x B x C x D x E x F = 12.5	
Human Hazard	(HH):	
1.2 B = 1.2 C = 1.2 D = 1 F = 1	Commodity (Table E-1, Human column). Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Access (Table 9). HH = A x B x C x D x E x F = 8-7	
PRIORITY		
Sites the gun on early EH as fol	will be ranked for each mountain range. The FS is presently under nvironmental hazards only. Numerical ranking will, therefore, be lows:	
Catana	m. h	

These are priority sites.
These sites should be examined Category A: Category B: EH > 20 EH between 7 and 20 in order of rank after category A is dealt with.
These sites may not need to be Category C: EH < 7 examined.

The category for this site is B.

 $^{^{\}rm l}\underline{within}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinaleno Greesewood 197ns.
Primary Name: Black Beauty Prospect
Alternate Name:
MASDB MILS Table Sequence number: 0040090369
Date of Report: $8-4-93$ Sample number(s): $PT/4-20$
LOCATION DATA
State: At County: Graham Township: 85 Range: 22 E Section: 36
Latitude: 1/32 41/9 Longitude: 1/10 0 3 30 Elevation (ft): 5,160
7.5' or 15' Quadrangle Map Name: Blue Jay Peak Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 🔀 zinc Other
Status of Operation:
Past Producer 🔀 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground $_$ Surface and Underground $_$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $ ilde{m{m{m{m{m{m{m{m{m{m{m{m{m{$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) /_ Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump / Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) μ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? $(y/n) \frac{N}{}$
Is water being produced from the feature? $(y/n) \stackrel{V}{=}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
. ,
Is machinery present at the site? $(y/n) \nearrow$
Location of Machinery:
Inside Building _ Outside Building _ No Building, Other Location $ ot \succeq$
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\textstyle \textstyle \stackrel{\textstyle \textstyle $
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site $(y/n) \frac{y}{y}$

OTHER

Are any of	the followin	ng other features pre	sent?:
Drums or Ta	nks Head	lframes Tramways	$_$ Bags $_$ Scrap Metal $ ot \succeq$
Trestles _	Wooden Str	ructures Overhead	Cables Powerlines
Power Subst	ations 1	Cransformers Chem	icals Other
		HAZARD CALCULA	TIONS
Environment	al Hazard (E	BH):	
2 B = /.2 C = /.2 D =	or noted in noted. Status (Tak Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use the ole E-2). EE-3). EE-4). hod (Table E-5). ial: If any indicat	ntal column) produced historically highest number for commodities - or minerals were checked AND present, F = 1.2; otherwise F = 1.0
Human Hazar	ed (HH):		
2 B = 1,2 C = 1,2 D = 1 E =	Status (Table Type (Table Size (Table Milling Met Access (Tab	e E-3). e E-4). chod (Table E-5).	
		PRIORITY	
Sites the gun on by EH as fo	environmenta	nked for each mountai al hazards only. Num	n range. The FS is presently under erical ranking will, therefore, be
Cated Cated	gory A: gory B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Cate	gory C:	EH < 7	These sites may not need to be examined.
		R	

The category for this site is $\frac{15}{100}$.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Large (over 1,000,000 st) ___

US Bureau of Mines - IFOC Management Unit: Pinaleno - Greasewood Mins

Alternate Name: _ MASDB MILS Table Sequence number: 0040090232 Date of Report: 8-3-93 sample number(s): PZ 6-8 State: At County: Gralam Township: 85 Range: 12 E Section: 22 Latitude: N32 43 45 Longitude: W 110 05 20 Elevation (ft): 5,480 7.5' or 15' Quadrangle Map Name: Blue Jay feak scale: 7.5 Mining or Mineral District: HISTORICAL DATA Please mark with an X all that apply. Elements produced and/or noted in geochemical analyses: Arsenic _ Cadmium _ Copper _ Lead _ Mercury _ Zinc _ Other X Status of Operation: Past Producer __ Explored Prospect \(\sum \) Raw Prospect __ Developed Prospect __ Status Unknown ___ Type of Operation: Surface __ Underground X Surface and Underground __ Mineral Location __ Placer __ Prospect __ Dredging __ Processing Plant __ Well __ Unknown __ No Data ___ Size based on production of ore to date: Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st) Medium (250,000 to 500,000 st) __ Medium to Large (500,000 to 1,000,000 st) __

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill $rac{\mathcal{Y}}{\mathcal{Y}}$ Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft / Glory Hole Small Pit or Trench (< 10 ft) /
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\frac{h}{y}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\wedge}$
Is water being produced from the feature? (y/n) $\stackrel{\textstyle \dot{N}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
VI accounts.
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\gamma}{\gamma}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site X Trail or undrivable Road _ Cross-country _
There is a habitation < 1/2 mi from the site $(y/n) \frac{N}{2}$

THER

	OTHER
Are any of	the following other features present?:
Drums or Tax	nks Headframes Tramways Bags Scrap Metal
Trestles	Wooden Structures Overhead Cables Powerlines
Power Substa	ations Transformers Chemicals Other
	HAZARD CALCULATIONS
Environment	al Hazard (EN):
/.2B = //2C = //2D = //E =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 LEH = A x B x C x D x E x F = 12.5
Human Hazard	1 (HH):
/·2B = /·2C = /·2D = // E =	Commodity (Table E-1, Human column). Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Access (Table 9).

PRIORITY

¹HH = A x B x C x D x E x F = /2./

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is \square .

 $^{^{} ext{W}}\underline{\text{Mithin}}$ a table, take only the highest value as the total value for that table.

10.4

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinaleno-Greasewood M725.
Primary Name: Unnewed Shart
Alternate Name:
MASDB MILS Table Sequence number: 0040090338
Date of Report: 8-4-93 sample number(s): PI 47
LOCATION DATA
State: At County: Graham Township: 115 Range: 25E Section: 20
Latitude: N322730 Longitude: W1094916 Elevation (ft): 5,000
7.5' or 15' Quadrangle Map Name: Greefe wood Mth. Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium _ Copper Lead _ Mercury Zinc _ Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface _ Underground \(\sum \) Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

. HISTORICAL DATA (con't)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? $(y/n) \frac{y}{y}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\frac{N}{2}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
/
Is machinery present at the site? (y/n) $ ot\!$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
,
Are any explosives or blasting supplies found on the site? (y/n) M
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of mite X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\frac{y}{y}$

	OTHER	
Are any of the fol	lowing other features pres	ent?:
Drums or Tanks	Headframes Tramways _	_ Bags Scrap Metal
Trestles Woode	en Structures Overhead	Cables Powerlines
Power Substations	Transformers Chemi	cals Other
	HAZARD CALCULA	TIONS
Environmental Haza	erd (EH):	
or noted noted. //2-B = Status //2 C = Type (//2 D = Size (// E = Millir // F = Acid r neutra	ed in analyses. Use the h (Table E-2). Table E-3). Table E-4). Table E-4). Table E-5).	r minerals were checked AND resent, F = 1.2; otherwise F = 1.0
Human Hazard (HH):		
1.2 B = Status 1.2 C = Type (1.2 D = Size (1 E = Millir 1.8F = Access	Table E-3). Table E-4). g Method (Table E-5).	
	PRIORITY	
		range. The FS is presently under rical ranking will, therefore, be
Category A: Category B:		These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

10.4/28.0

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinaleno - Greasewood MThs.
Primary Name: Unnamed Adit
Alternate Name:
MASDB MILS Table Sequence number:

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena 🖔 Marcasite Sphalerite
Pyrite $ imes$ Pyrrhotite $_$ Stibnite $_$ Other sulfide $_$ Limonite $ imes$
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) / Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Togeth w Width w Waight

Are bodies of water found on or near the site? (y/n) $\stackrel{\textstyle \gamma}{\!$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) h
Is water being produced from the feature? (y/n) \nearrow
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{V}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site $\frac{\chi}{}$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n) γ

OTHER

Are any of	the followin	g other feature	s present?	?:	
Drums or Ta	nks Head	frames Tram	ways E	Bags Scrap Metal	
Trestles _	Wooden Str	uctures Ove	rhead Cabl	les Powerlines	
Power Subst	ations T	ransformers	Chemicals	other	
		HAZARD CA	LCULATION	s	
Environment	al Hazard (E	H):			
5 A = 1.2 B = 1.2 C = 1.2 D = 1 E = 1.2 F =	or noted in noted. Status (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use le E-2). E-3). E-4). hod (Table E-5) ial: If any inc	the highe dicator mi not prese	column) produced historicallest number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1	•
Human Hazar	d (HH):				
1.2C =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5). le 9).			
	HH = A x B	x C x D x E x F	= 24.9	,	
		PRIC	ORITY		
	environmenta			nge. The FS is presently und Il ranking will, therefore, b	
		EH > 20 EH between 7 ar		These are priority sites. These sites should be examin in order of rank after category A is dealt with.	.ed
Categ	ory C:	EH < 7		These sites may not need to examined.	be

The category for this site is ${\cal B}$.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

10.4

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinaleno - Greasewood MThs.
Primary Name: Uhhamed Adi't
Alternate Name:
MASDB MILS Table Sequence number: 00400 90193
Date of Report: 8-3-93 Sample number(s): PI-/
LOCATION DATA
State: 12 County: Graham Township: 85 Range: 22 5 Section: 1>
Latitude: <u>N 32 4 457</u> Longitude: <u>W 110 0 6 49</u> Elevation (ft): <u>5, 290</u>
7.5' or 15' Quadrangle Map Name: Blue Jay Peak Scale: >.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $ imes$ Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \succeq Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
Type and number of workings: (indicate with an X or 1, 2, etc.)
Adit _ Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
CONDITION OF SITE AND/OR FEATURE
Does the condition of the feature represent a hazard? (γ/n)
Mark all conditions that apply:
Open to Entry $ imes$ Partly Caved $ imes$ Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall K Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
SIZE OF FEATURE (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \frac{y}{y}$
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{\gamma}{\underline{\qquad}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $ hline $
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country $ imes$
There is a habitation < 1/2 mi from the site (y/n) $\frac{h}{2}$

		OTHER	
Are any of	the followin	ng other features prese	nt?:
Drums or Ta	inks Head	dframes Tramways	Bags Scrap Metal
Trestles	Wooden Str	ructures Overhead C	ables Powerlines
Power Subst	ations T	Transformers Chemic	als Other
		HAZARD CALCULAT	CONS
Environment	al Hazard (E	EH):	
6 A =	Commodity (or noted in noted. Status (Table Size (Table Milling Met Acid potent neutralizing	Table E-1, Environment n analyses. Use the hi cle E-2). E-3). E-4). hod (Table E-5). i.ial: If any indicator	al column) produced historically ghest number for commodities minerals were checked AND esent, F = 1.2; otherwise F = 1.0
Human Hazar	:(HH):		
/.a.D =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	e E-3). e E-4). chod (Table E-5). le 9).	
	$^{1}HH = A \times B$	$x c x d x e x f = \frac{7}{2}$	2_
		PRIORITY	
Sites the gun on by EH as fo	environmenta	nked for each mountain al hazards only. Numer	range. The FS is presently under ical ranking will, therefore, be
		EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Cate	gory C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

8.7

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines – IFOC

Management Unit: Pina lend = Greasewood 19/45.
Primary Name: Unnamed Prospects
Alternate Name:
MASDB MILS Table Sequence number: 00400903/5
Date of Report: 8-4-93 Sample number(s): PZ 49-5/
LOCATION DATA
State: At County: Graham Township: 118 Range: 25 E section: 13
Latitude: 1/322827 Longitude: W 1094437 Elevation (ft): 5,350
7.5' or 15' Quadrangle Map Name: Monk Drace Scale: 7-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium X Copper _ Lead X Mercury _ zinc X Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\times \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \succeq Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite X
Pyrite Pyrrhotite Stibnite Other sulfide Limonite \overline{X}
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline / Shaft / Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) / Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved _ Concealed _ Partly Concealed _
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall X Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Frone to Wind Erosion Other
Size of Feature (ft)
Length y Width x Height

Are bodies of water found on or near the site? $(y/n) \frac{y}{y}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? $(y/n) \rightarrow$
Is water being produced from the feature? (y/n) $\frac{\mathcal{N}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled X Flowing Intermittent
If water is present, what color is it?:
Brown X Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) h
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{V}{V}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of Bite $\overset{\textstyle imes}{\!$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n) γ

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- \mathcal{S} A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- / B = Status (Table E-2).
- 1/2C =Type (Table E-3). 1/2D =Size (Table E-4).

- Milling Method (Table E-5).
 Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1.2F =

'EH = A x B x C x D x E x F = 8.7

Human Hazard (HH):

- % A = Commodity (Table E-1, Human column). B = Status (Table E-2).
- 1.2 C = Type (Table E-3).
- 1.2D = Size (Table E-4).
- Milling Method (Table E-5). Access (Table 9). / E = 1.8F =

 1 HH = A x B x C x D x E x F = $\frac{20.7}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be $\frac{1}{2} \int_{\mathbb{R}^{n}} \frac{1}{2} \int_{\mathbb{R}^{n}} \frac{1}$ by EH as follows:

EH > 20 Category A: EH between 7 and 20 Category B:

These are priority sites. These sites should be examined in order of rank after

Category C: EH < 7 category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathcal{S}}$.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

8.7

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinaleno - Greasewood Mrns.
Primary Name: Unlicemed Shaft
Alternate Name:
MASDE MILS Table Sequence number: 00400903/2
Date of Report: 8-4-93 Sample number(s): PI 39-40
LOCATION DATA
State: A2 County: Graham Township: 105 Range: 24F Section: 3
Latitude: N 3235 45 Longitude: W 1095230 Elevation (ft): 5,320
7.5' or 15' Quadrangle Map Name: Stockton Poss scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper 🔀 Lead Mercury Zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect \(\sum \) Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

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HISTORICAL DATA (con't)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft $\stackrel{1}{L}$ Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $ frac{\prime \prime}{2}$
Mark all conditions that apply:
Open to Entry $ imes$ Partly Caved $_$ Concealed $_$ Partly Concealed $_$
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

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There is a habitation < 1/2 mi from the site (y/n) \underline{N}

WATER
Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream \succeq Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\stackrel{\textstyle \checkmark}{\!$
If water is present, how does it occur?:
Standing Filled \(\sum_{\text{Partly Filled }} \) Flowing Intermittent
If water is present, what color is it?:
Brown 🔀 Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\stackrel{\textstyle u}{\sum}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\stackrel{\textstyle arphi}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site \succeq
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country

OTHER

Are any of the following other features present?:					
Drums or Tanks Headframes Tramways Bags Scrap Metal					
Trestles Wooden Structures Overhead Cables Powerlines					
Power Substations Transformers Chemicals Other					

HAZARD CALCULATIONS

Environmental Hazard (EH):

Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2).

1.2 C = Type (Table E-3).

//2 = Size (Table E-4).
//2 = Size (Table E-4).
// E = Milling Method (Table E-5).
// 2 F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

¹EH = A x B x C x D x E x F = 8.7

Human Hazard (HH):

A = Commodity (Table E-1, Human column).

| B = Status (Table E-2).

| 2 C = Type (Table E-3).

| 2 D = Size (Table E-4).

| E = Milling Method (Table E-5).

| & F = Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{13.0}{1}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B:

EH between 7 and 20

EH < 7

These are priority sites. These sites should be examined in order of rank after

category A is dealt with. These sites may not need to be

The category for this site is \mathbb{B}_{\cdot} .

Category C:

^{&#}x27;Within a table, take only the highest value as the total value for that table.

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

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Management Unit: Pinaleno - Greasewood Myra
Primary Name: Unnamed Prospect
Alternate Name:
MASDE MILS Table Sequence number: 004 009 0 196
Date of Report: 8-5-93 sample number(s): PI 64-63
LOCATION DATA
State: A2 County: Graham Township: & S Range: 25 & Section: 33
Latitude: N324150 Longitude: W1094724 Elevation (ft): 4360
7.5' or 15' Quadrangle Map Name: MT Graham Scale: 7.5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect \(\sum \) Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\sum \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔀 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena Marcasite Sphalerite
yrite X Pyrrhotite Stibnite Other sulfide Limonite
other FeOx
Feutralizing Host Rock:
oolomite Limestone Marble Micrite Sparite
other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
adit / Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft)
darge Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \searrow$
Mark all conditions that apply:
Open to Entry $lephi$ Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall 🔀 Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tength y Width y Height

Are bodies of water found on or near the site? $(y/n) \neq$
Please mark with an X all that apply:
Stream X River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\frac{\nu}{}$
Is water being produced from the feature? (y/n) $\frac{h}{y}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
Machinery
Is machinery present at the site? (y/n) $\frac{h}{y}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\mathcal{H}}{}$
If present, give type and location
•
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site $ imes$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) $\frac{y_0}{x_0}$

OTHER

,	OTHER
Are any of t	the following other features present?:
Drums or Tar	nks Headframes Tramways Bags Scrap Metal
Trestles	Wooden Structures Overhead Cables Powerlines
Power Substa	ations Transformers Chemicals Other
	HAZARD CALCULATIONS
Environment	al Hazard (EH):
/ B = 1,2 C = 1,2 D = 1 E =	Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2). Type (Table E-3). Size (Table E-4). Size (Table E-4). Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, $F = 1.2$; otherwise $F = 1.0$ $^{1}EH = A \times B \times C \times D \times E \times F = \frac{1.7}{2}$
Human Hazard	1 (HH):
/ B = / .2 C = / .2 D = / E =	Commodity (Table E-1, Human column). Status (Table E-2). Type (Table E-3). Size (Table E-4). Milling Method (Table E-5). Access (Table 9).

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category Category			> 20 between	7	and	20	These are priority site These sites should be a in order of rank after		examin				
Category	C:	ЕН	< 7				catego These examin	site					

The category for this site is $\underline{\hspace{1cm}}$

 $^{^{\}mathrm{t}}\underline{\mathrm{Within}}$ a table, take only the highest value as the total value for that table.

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AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Pinoleno - Greasewood MYn.
Primary Name: Unhamed Shaft
Alternate Name:
MASDB MILS Table Sequence number: 00400903/3
Date of Report: 8-5-93 sample number(s): PI 56
LOCATION DATA
State: A2 County: Graham Township: 11 S Range: 25E Section: 2
Latitude: N32 3006 Longitude: W 10 9 4601 Elevation (ft): 5,600
7.5' or 15' Quadrangle Map Name: 57cc Kton Pass scale: 2-5
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect \(\sum \) Developed Prospect
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
NO DACE
Size based on production of ore to date:
Small (0 to 10,000 st) \succeq Small to Medium (10,000 to 250,000 st) _
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
other FeOx
Neutralizing Host Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft / Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tarable a widek a Woight

Are bodies of water found on or near the site? $(y/n) \stackrel{\checkmark}{/}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n)
Is water being produced from the feature? (y/n) $\stackrel{\textstyle \mathcal{N}}{}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\frac{\mathcal{V}}{}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country 🔀
There is a habitation < 1/2 mi from the site (y/n) \overline{V})

OTHER

Are any of the fol	llowing other features	present?:				
Drums or Tanks	Headframes Tramw	ays Bags	Scrap Metal			
Trestles Woode	en Structures Over	head Cables	Powerlines			
Power Substations	Transformers	Chemicals O	ther			
	HAZARD CAI	CULATIONS				
Environmental Haz	ard (EH):					
or no noted B = Statu 2 C = Type 2 D = Size F = Milli F = Acid neutr	ted in analyses. Use . s (Table E-2). (Table E-3). (Table E-4). ng Method (Table E-5). notential: If any ind	the highest num icator minerals not present, F				
Human Hazard (HH)	:					
<pre>/ A = Commodity (Table E-1, Human column). / B = Status (Table E-2). //2 C = Type (Table E-3). //2 D = Size (Table E-4). / E = Milling Method (Table E-5). / F = Access (Table 9).</pre>						
= HH	AxBxCxDxExF	= 1,4				
	PRIC	RITY				
Sites will the gun on enviro by EH as follows:	nmental hazards only.	ntain range. T Numerical rank	The FS is presently under king will, therefore, be			
	EH between 7 ar	id 20 These in ord catego	are priority sites. sites should be examined der of rank after bry A is dealt with.			
	ER < 7	These	sites may not need to be ted.			

Within a table, take only the highest value as the total value for that table.

APPENDIX E

DOCUMENTATION FOR DERIVATION OF EH AND HH VALUES

SANTA CATALINA-RINCON

							ΕZ	ai
Santa Catalina-Rincon	Taraldson claim	sc136-sc138	N323339	W1104450	24.9	A	EZ	
Santa Catalina-Rincon	Carolina Moon Group	sc100-sc107	N323409	W1104414	20.7		EZ	
Santa Catalina-Rincon	Burney Group	SC47-SC50	N323320	W1104734	20.7			×17
Santa Catalina-Rincon	Burney Group	SC62-SC66	N323303	W1104728	20.7			
Santa Catalina-Rincon	Highjinks	SC95-SC97	N323412	W1104417	20.7	A		299
Santa Catalina-Rincon	Burney Group	sc9-16,24-30	N323302	W1104756	20.7	A		301
Santa Catalina-Rincon	Burney Group	SC31, SC32	N323307	W1104757	20.7	Α		303
Santa Catalina-Rincon	Burney Group	SC33-SC38	N323309	W1104755	20.7	Α		30S
Santa Catalina-Rincon	Golden Eagle	SC164, SC165	N323318	W1104248	20.7	Α	_	307
Santa Catalina-Rincon	Pretty Fair	SC51, SC52	N323222	W1104701	20.7	Α		309
Santa Catalina-Rincon	Old Maudina	SC160-SC162	N323306	W1104338	17.3	В	_	31(
Santa Catalina-Rincon	Mary West	sc189-sc197	N323156	W1104434	15.6	В	ε	313
Santa Catalina-Rincon	GOP	SC166-SC173	N323256	W1104309	15.6	В	E	315
Santa Catalina-Rincon	Unnamed workings	SC205-SC211	N323057	W1104242	15.6	В	E	317
Santa Catalina-Rincon	American Flag	SC121-SC123	N323441	W1104319	15.6	B	E	314
Santa Catalina-Rincon	Copper Cliff	SC139, SC140	N323346	W1104402	15.6	B		321
	Unnamed adits	SC144-SC156	N323330	W1104406	15.6	B	Ē	323
Santa Catalina-Rincon		SC41-SC46	N323323	W1104746	14.4	8	E	325
Santa Catalina-Rincon	Burney Group	SC39	N323313	W1104742	13.0	В	Ē	327
Santa Catalina-Rincon	Burney Group	SC112, SC113	N323354	W1104349	12.4	B	è	329
Santa Catalina-Rincon	Suena del Oro		N323334	W1104349	12.4	В	È	33/
Santa Catalina-Rincon	Unnamed adit	sc142, sc143	N323432		12.4	B		333
Santa Catalina-Rincon	Unnamed workings	SC114-SC118		W1104352		-	E	335
Santa Catalina-Rincon	Little Hill	sc53-sc60	N323235	W1104711	12.4	В	Ē	337
Santa Catalina-Rincon	Unnamed working	SC8	N323255	W1104759	12.4	В	٤	339
Santa Catalina-Rincon	Unnamed workings	sc70-sc79	N323300	W1104711	12.4	В	-	341
Santa Catalina-Rincon	Pima Joe claim #1	sc110, sc111	N323406	W1104407	12.4	В	٤	
Santa Catalina-Rincon	Unnamed workings	sc134, sc135	N323337	W1104510	12.4	В	Ē	343 345
Santa Catalina-Rincon	Unnamed workings	sc158, sc159	N323321	W1104348	10.8	В	E	
Santa Catalina-Rincon	Colden Contract	SC124	N323420	W1104306	10.4	В	E	347 341
Santa Catalina-Rincon	Unnamed adit	sc225-sc227	N322833	W1104332	10.4	В	تغا	
Santa Catalina-Rincon	Unnamed adit	sc186-sc188	N323220	W1104438	10.4	В	E	351
Santa Catalina-Rincon	Unnamed adit	sc201, sc202	N323141	W1104239	10.4	В	E	353
Santa Catalina-Rincon	Unnamed workings	sc163	N323307	W1104323	10.4	В	E	355
Santa Catalina-Rincon	Golden Earth & vicinity	SC125-SC128	N323402	W1104238	10.4	В	E	357
Santa Catalina-Rincon	Unnamed adits	SC198, SC199	N323137	W1104439	10.4	В	E	359
Santa Catalina-Rincon	Unnamed workings	SC84-SC86	N323418	W1104721	10.4	В	ĕ	361
Santa Catalina Kincon	Unnamed working	SC17	N323248	W1104739	10.4	В	Ē	363
Santa Catalina-Rincon	Unnamed workings	SC229	N322834	W1104317	08.6	В	Ē	365
Santa Catalina-Rincon	Unnamed workings	SC216-SC223	N322853	W1104528	08.6	В	E	367
	Unnamed outcrop	SC181	N323219	W1104454	08.6	B	È	369
Santa Catalina-Rincon	Unnamed working	SC120	N323439	W1104326	08.6	В		371
Santa Catalina-Rincon	Unnamed workings	SC67, SC68	N323307	W1104722	08.6	B		373
Santa Catalina-Rincon	. -	sc157	N323326	W1104352	08.6	В	E	375
Santa Catalina-Rincon	Unnamed working	SC253	N322244	W1103416	08.6	B	Ē	377
Santa Catalina-Rincon	Unnamed adit	SC69	N323249	W1104706	06.9	C	Ē	379
Santa Catalina-Rincon	Unnamed working	SC82, SC83	N323351	W1104700	04.0	Č		38/
Santa Catalina-Rincon	Gold Hill		N323219	W1104721	02.1	C	Ē	383
Santa Catalina-Rincon	Unnamed working	SC179, SC180		W1104504	02.1	C	Ē	385
Santa Catalina-Rincon	Unnamed working	sc182, sc183	MJEEECO	M 1 104-101	02.1	C	-	

Management Unit: Santa Cata ling - Rincon
Primary Name: Taraldson Claims
Alternate Name:
MASDB MILS Table Sequence number: 0048210829
Date of Report: $12/3(1/93)$ Sample number(s): $3C.136-SC.138$
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 16E Section: 18
Latitude: N32 33 39 Longitude: W 110 44 50 Elevation (ft): 5000
7.5' or 15' Quadrangle Map Name: Compo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X 2inc Other
Status of Operation:
Past Producer _ Explored Prospect X Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface Underground \(\times \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) _X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre X Gravity _ Crusher only _ Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite $oldsymbol{eta}$
Other FeOx X
Neutralizing Rost Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Addit _2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $ abla$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other <u>flooded</u>
Size of Feature (ft)
Tongth w Width w Woight

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \checkmark
Is water being produced from the feature? (y/n) $\underline{\Lambda}\!\!\!/$
If water is present, how does it occur?:
Standing X Filled Partly Filled X Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color unknown
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) $\frac{y}{y}$

OTHER

Are any of	the following	other feature	es present?	' :
Drums or Tax	nks Headf	rames Tra	mways — E	Bags Scrap Metal
Trestles	Wooden Stru	octures Ov	erhead Cabl	les Powerlines
Power Substa	ations Tr	ansformers _	Chemicals	Other
		HAZARD (CALCULATION	S
Environment	al Hazard (El	H):		
1.2C =	or noted in noted. Status (Table Size (Table Milling Met)	analyses. Us le E-2). E-3). E-4). hod (Table E-5	e the higher). ndicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times B$	x C x D x E x	$F = \underline{24.9}$	
Human Hazar	d (HH):			
1.2c = 1.20 =	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5		
, 0		x C x D x E x	F = 56.0	
			RIORITY	
Sites the gun on by EH as fo	environmenta	ked for each n	nountain ra	nge. The FS is presently under al ranking will, therefore, be
Cateo	gory A: gory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be
caceç	gory C:			examined.
The categor	ry for this s	site is A.		

 $[\]frac{^{1}\text{Within}}{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Caroling Moon Group
Alternate Name:
MASDB MILS Table Sequence number: 004021 0219
Date of Report: $\frac{12\sqrt{31/93}}{500}$ Sample number(s): $\frac{5000-500}{500}$
LOCATION DATA
State: Az County: Pincl Township: 10 5 Range: 16 E Section: 17
Latitude: <u>N/32 34 09</u> Longitude: <u>W/1/044/</u> 4 Elevation (ft): 4800
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer 📈 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \dot{X} Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Amalgamation ___ Arrastre __ Gravity __ Crusher only __ Heap Leach __ CIP __ Cyanidation __ Leach ___ Stamp __ Flotation __ Jig Plant __ Retort ___ No Mill 🔏 Unknown ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __ Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit __ Decline __ Shaft _ Glory Hole __ Small Pit or Trench (< 10 ft) X Large Pit (> 10 ft) 5 Quarry Placer Building Machinery Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad $_$ Highwall $_$ Solution Pond $_$ Ore Stockpile $\not \chi$ Subsidence $_$ Other _____

Does the condition of the feature represent a hazard? (y/n)

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __

Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __

Foundation __ Prone to Wind Erosion __ Other __

Length ___ x Width ___ x Height ___

HISTORICAL DATA (con't)

Milling Method:

Condition of site and/or feature

Mark all conditions that apply:

Size of Feature (ft)

Are bodies of water found on or near the site? (y/n) \longrightarrow
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (Y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \!\!\!\!/$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \nearrow

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre></pre>
Human Hazard (HH):
<pre>G A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). /.E = Milling Method (Table E-5). /.8F = Access (Table 9). 'HH = A x B x C x D x E x F = 46.7</pre>
PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is A.

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

lanagement Unit: Santa Catalina - Rincon
rimary Name: Burney Group
Alternate Name:S/im'S
(ASDB MILS Table Sequence number: 004 021 (1208
Date of Report: 12/31/93 Sample number(s): SC47-SC50
LOCATION DATA
state: A2 County: Pinal Township: 10 9 Range: 2/5 5 Section: 22
atitude: <u>N 32 33 20</u> Longitude: MI() <u>us 47 34</u> Elevation (ft): <u>3920</u>
1.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Sining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead X Mercury X Zinc X Other Ag
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground 🚶 Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena Marcasite Sphalerite
yrite X Pyrrhotite Stibnite Other sulfide Limonite X
ther FeOx X
Seutralizing Host Rock:
oolomite Limestone Marble Micrite Sparite
other Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
Addit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) 3
arge Pit (> 10 ft) Quarry Placer Building Machinery
Distern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other Winze
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) \underline{Y}
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\cup igvert$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \zeta$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site 🗶
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER

are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
restles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
GA = Commodity (Table E-1, Environmental column) produced historicall or noted in analyses. Use the highest number for commodities noted.

2B = Status (Table E-2).

Status (Table E-2).
Type (Table E-3).
Size (Table E-4).
Milling Method (Table E-5).
Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1.2C = 1.2D = 1E = 1.2F =

 $^{1}EH = A \times B \times C \times D \times E \times F = 20.7$

Human Hazard (HH):

Commodity (Table E-1, Human column). Status (Table E-2). 9A =

QA = Status (Table E-2).

/.2C = Type (Table E-3).

/.2D = Size (Table E-4).

/.2F = Milling Method (Table E-5).

/.3F = Access (Table 9).

HH = A x B x C x D x E x F = 46.7

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: EH between 7 and 20 Category B:

These are priority sites.
These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

EH < 7

The category for this site is A.

Category C:

 $^{{}^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: 2 Santa Cataling - Rincon
Primary Name: Batha Borney Group
Alternate Name: Birthday, Birthday Extension
MASDB MILS Table Sequence number: 0040210208
Date of Report: 12/31/95 Sample number(s): SC 62-5C66
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 15 & Section: 22
Latitude: N32 33 03 Longitude: W 110 47 28 Elevation (ft): 3950
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X zinc X Other Ag
Status of Operation:
Past Producer 💢 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $\not X$ Surface and Underground $_$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

filling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena _X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide X Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft 1 Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Σ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Brosion Other <u>bad air</u>
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \nearrow$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) $ ot \mathcal{U}$
Is water being produced from the feature? (y/n) \triangle
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \triangle
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \triangle
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) N

OTHER

Are any of	the followin	g other feat	ures presenti	?:
Drums or Ta	nks Head	frames T	ramways H	Bags Scrap Metal
Trestles	Wooden Str	uctures	Overhead Cab	les Powerlines
Power Subst	ations T	ransformers .	Chemicals	Other
		HAZARI	CALCULATION	s
Environment	al Hazard (E	H):		
2 B = /-2C = /-2D = /-2F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. le E-2). E-3). E-4). hod (Table E ial: If any g hos rocks	-5). indicator make are not prese	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	¹ EH = A × B	xCxDxE	$x F = \underline{20.7}$	
Human Hazar	d (HH):			
9A = 2B = 1.2C = 1.2D = 1.2B = 1.8F =	Commodity (Status (Tab Type (Table Size (Table Milling Met Access (Tab	le E-2). E-3). E-4). hod (Table E	uman column)	
•	$^{1}HH = A \times B$	x C x D x E	x F = 46.7	•
			DD T DD Y 11111	
			PRIORITY	
Sites the gun on by EH as fo	environmenta	ked for each 1 hazards on	mountain ra ly. Numeric	nge. The FS is presently under al ranking will, therefore, be
	pory A: pory B:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7		These sites may not need to be

The category for this site is A.

 $^{{}^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina Rincon
Primary Name: High Jinks
Alternate Name:
MASDB MILS Table Sequence number: 6040210524
Date of Report: 12/31/93 Sample number(s): 4-75 SC 95-3C 98
LOCATION DATA
State: AZ County: Ping! Township: 105 Range: 18 E Section: 17
Latitude: N32 34 12 Longitude: W110 44 17 Elevation (ft): 4980
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24003
Mining or Mineral District: <u>Gracle</u>
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
occus onmoni
Type of Operation:
Surface Underground Surface and Underground _\(\text{\chi} \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
<i>,</i>
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx 🙏
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _2
Large Pit (> 10 ft) X Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Δ /
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing Filled Fartly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $ width olimits_{N}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) M
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X_
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n)

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ____
                               HAZARD CALCULATIONS
Environmental Hazard (EH):
     €A = Commodity (Table E-1, Environmental column) produced historically
            or noted in analyses. Use the highest number for commodities
     2_B =
            Status (Table E-2).
    /. ZC =
            Type (Table E-3).
   1.2.D =
            Size (Table E-4).
           Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
    /E =
            1EH = A x B x C x D x E x F = 20-7
Human Hazard (HH):
     4 A =
            Commodity (Table E-1, Human column).
    2B =
            Status (Table E-2).
    /.2c =
            Type (Table E-3).
   1.2D =
            Size (Table E-4).
    IE = Milling Method (Table E-5).
            Access (Table 9).
            HH = A x B x C x D x E x F = 46.7
                                    PRIORITY
      Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be
by EH as follows:
      Category A:
                         EH > 20
                                                  These are priority sites.
                         EH between 7 and 20
      Category B:
                                                  These sites should be examined
                                                  in order of rank after
                                                  category A is dealt with.
      Category C:
                         EH < 7
                                                  These sites may not need to be
                                                  examined.
```

The category for this site is ______.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Burney Group
Alternate Name:
MASDB MILS Table Sequence number: 0040210208
Date of Report: $12/31/93$ Sample number(s): $5C9-16$, $24-30$
LOCATION DATA
State: A2 County: Pinal Township: 105 Range: 15 E Section: 22
Latitude: N32 33 02 Longitude: W110 47 56 Elevation (ft): 4560
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Bunney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper X Lead X Mercury X Zinc X Other Ag
Status of Operation:
Past Producer 🗶 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground $ ot X $ Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)
·

AISTORICHE SHIP (VIII -)
Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite _X
Other FeOx 💢
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 6 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) .
Large Pit (> 10 ft) _5 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \cancel{E}
Mark all conditions that apply:
Open to Entry X Partly Caved X Concealed Partly Concealed
Collapsed X Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) \underline{Y}
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $ olimits_{n}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country

There is a habitation < 1/2 mi from the site (y/n) N

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ____
                                 HAZARD CALCULATIONS
Environmental Hazard (EH):
     6A = Commodity (Table E-1, Environmental column) produced historically
             or noted in analyses. Use the highest number for commodities
             noted.
    2 B =
             Status (Table E-2).
   /.ZC = Type (Table E-3).

/.2D = Size (Table E-4).

/E = Milling Method (Table E-5).
    1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
             <sup>1</sup>EH = A x B x C x D x E x F = 20.7
Human Hazard (HH):
     QA = Commodity (Table E-1, Human column).
```

2B = Status (Table E-2). $\sqrt{2}$ C = Type (Table E-3). 1.2D = Size (Table E-4). IE = Milling Method (Table E-5).
Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{46.7}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites. These sites should be examined EH between 7 and 20 Category B: in order of rank after category A is dealt with. Category C: These sites may not need to be

The category for this site is A.

 $^{{}^{1}\}underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Rincon
Primary Name: Burney Group
Alternate Name: Lead Reef
MASDB MILS Table Sequence number: <u>0040210208</u>
Date of Report: 12/31/93 Sample number(s): SC31-Sc32
LOCATION DATA
State: Az County: Pinal Township: 103 Range: 15E Section: 22
Latitude: N32 3307 Longitude: (w110 47 57 Elevation (ft): 4400
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead X Mercury X Zinc Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground _X Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

filling Method:
amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena _X Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx X
Neutralizing Host Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 1 Decline Shaft 1 Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 🛣 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
a state of the African Continue
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other _Shaff
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream \(\times \) Lake Bay	
Other	
Is water present at the feature? (y/n) $\underline{\Lambda}\underline{V}$	
Is water being produced from the feature? (y/n) $\triangle j$	
If water is present, how does it occur?:	
Standing Filled Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
Other color	
MACHINERY	
Is machinery present at the site? (y/n) N	
• •	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EIPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) Δy	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road 4WD Road to < 1/2 mi of site 💢	
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country	
There is a habitation < $1/2$ mi from the site (y/n) N	

OTHER

OTHER		
Are any of the following other features present?:		
Drums or Tanks Headframes Tramways Bags Scrap Metal		
Trestles Wooden Structures Overhead Cables Powerlines		
Power Substations Transformers Chemicals Other		
HAZARD CALCULATIONS		
Environmental Hazard (EH):		
<pre>GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2 B = Status (Table E-2). [.2c = Type (Table E-3). [.2D = Size (Table E-4).] E = Milling Method (Table E-5). [.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre> <pre> 'EH = A x B x C x D x E x F = 20.7</pre>		
Human Hazard (HH):		
<pre>Q A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). [-2C = Type (Table E-3). [-2P = Size (Table E-4). [E = Milling Method (Table E-5). [-3P = Access (Table 9).</pre>		
1 HH = A x B x C x D x E x F = $\frac{46.7}{}$		

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.
Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

The category for this site is A.

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Borney Group
Alternate Name: Lead Reef Extension
MASDB MILS Table Sequence number: <u>00402/0208</u>
Date of Report: $12/31/93$ Sample number(s): $9.35-9.38$
LOCATION DATA
State: A2 County: Ping Township: 105 Range: 15 E Section: 22
Latitude: N32 33 09 Longitude: W110 47 55 Elevation (ft): 4206
7.5' or 15' Quadrangle Map Name: Oracle 5E Scale: 24000
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc X Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground \(\chi \) Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena Marcasite Sphalerite
yrite Pyrrhotite Stibnite Other sulfide Limonite _\(\frac{\chi}{2}\)
ther FeOx X
eutralizing Host Rock:
olomite Limestone Marble Micrite Sparite
ther Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
dit _2 Decline Shaft _ Glory Hole Small Pit or Trench (< 10 ft)
arge Pit (> 10 ft) Quarry Placer Building Machinery
Sistern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? $(y/n) \stackrel{Y}{ ightharpoons}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Instable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other _Shaft or stope
Size of Feature (ft)
Length x Width x Height
Designat A 1124000 11 3

Are bodies of water found on or near the site? (y/n) \underline{Y}	
Please mark with an X all that apply:	
Stream River Pond Intermittent Stream 🕺 Lake Bay	
Other	
Is water present at the feature? (y/n) \triangle	
Is water being produced from the feature? (y/n) \triangle	
If water is present, how does it occur?:	
Standing Filled Partly Filled Flowing Intermittent	
If water is present, what color is it?:	
Brown Green Yellow Yellow/orange Orange Gray/black	
Other color	
MACHINERY	
Is machinery present at the site? (y/n) N	
Location of Machinery:	
Inside Building Outside Building No Building, Other Location	
Type of Machinery:	
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill	
Amalgamation Equipment Arrastre Ore Bins Tanks Other	
EXPLOSIVES	
Are any explosives or blasting supplies found on the site? (y/n) N	
If present, give type and location	
ACCESS	
Access is by:	
Maintained Road 4WD Road to < 1/2 mi of site X	
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country	
There is a habitation < $1/2$ mi from the site (y/n) N	

OTHER

	OTHER	
Are any of the following othe	er features present	?:
Drums or Tanks Headframe:	s Tramways	Bags Scrap Metal
Trestles Wooden Structure	es Overhead Cab	les Powerlines
Power Substations Transfe	ormers Chemical:	s Other
	HAZARD CALCULATION	ıs
Environmental Hazard (EH):		
or noted in analy noted. ZB = Status (Table E-2) 1-2C = Type (Table E-3) E = Milling Method (1) Type (Table E-4) Acid potential:	yses. Use the high 2). Table E-5). If any indicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
$^{l}EH = A \times B \times C \times$	D x E x F = 20.7	
Human Hazard (HH):		
9A = Commodity (Table 2B = Status (Table E-7). Type (Table E-3). E = Milling Method (1.8F = Access (Table 9).	Table E-5).	
1 HH = 1 A x B x C x	Dx Ex F = <u>46.7</u>	
	PRIORITY	
Sites will be ranked for the gun on environmental haze by EH as follows:	or each mountain rai ards only. Numerica	nge. The FS is presently under al ranking will, therefore, be
Category A: EH > Category B: EH be		These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C: EH <	7	These sites may not need to be examined.

The category for this site is A.

 $[\]frac{^{1}\text{Within}}{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cata ling - Rincon
Primary Name: Golden Bagle
Alternate Name: <u>Od Hat</u>
MASDB MILS Table Sequence number: 004 021 040(
Date of Report: 12/3//43 Sample number(s): SC/64, SC/65
LOCATION DATA
State: A2 County: Pingl Township: 105 Range: 16 E Section: 21
Latitude: <u>N.32 33 /8</u> Longitude: <u>W.110 42 48</u> Elevation (ft): <u>4520</u>
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Orocle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead X Mercury X Zinc Other As_
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Flant Retort No Mill Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena 🔏 Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft / Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 🙎 Quarry Placer Building 🔏 Machinery 🗶
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) M
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other locked down
Size of Feature (ft)
Length x Width x Height
y

	Are bodies of water found on or near the site? (y/n) N
	Please mark with an X all that apply:
	Stream River Pond Intermittent Stream Lake Bay
	Other
	Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
	Is water being produced from the feature? (y/n) $ abla$
	If water is present, how does it occur?:
	Standing Filled Partly Filled Flowing Intermittent
	If water is present, what color is it?:
	Brown Green Yellow Yellow/orange Orange Gray/black
	Other color
	MACHINERY
	Is machinery present at the site? $(y/n) \rightarrow$
	Location of Machinery:
	Inside Building Outside Building _X No Building, Other Location
	Type of Machinery:
	Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
	Amalgamation Equipment Arrastre Ore Bins Tanks Other compressor
	EXPLOSIVES
	Are any explosives or blasting supplies found on the site? (y/n) N
	If present, give type and location
ACCESS	
	Access is by:
	Maintained Road 4WD Road to < 1/2 mi of site A
	4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
	There is a babitation < 1/2 mi from the site (v/n) W

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ___
                            HAZARD CALCULATIONS
Environmental Hazard (EH):
    or noted in analyses. Use the highest number for commodities
           noted.
    2B =
           Status (Table E-2).
   /.2C =
           Type (Table E-3).
Size (Table E-4).
   (.2D =
    (E =
           Milling Method (Table E-5).
           Acid potential: If any indicator minerals were checked AND
           neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
           EH = A x B x C x D x E x F = 20.7
Human Hazard (HH):
           Commodity (Table E-1, Human column).
    ZB = Status (Table E-2).
   /.2C = Type (Table E-3).
/.2D = Size (Table E-4).
    (E = Milling Method (Table E-5).
   /,&F =
           Access (Table 9).
           1HH = A x B x C x D x E x F = 46.6
                                 PRIORITY
      Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be
by EH as follows:
                       EH > 20
                                              These are priority sites.
      Category A:
                       EH between 7 and 20
                                              These sites should be examined
      Category B:
                                              in order of rank after
                                              category A is dealt with.
These sites may not need to be
```

The category for this site is A.

Category C:

examined.

EH < 7

^{&#}x27;Within a table, take only the highest value as the total value for that

Management Unit: Santa Catalina - Rincon
Primary Name: Prefly Fair
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): Sc51, Sc52
LOCATION DATA 26
State: Az County: Pino Township: 203 Range: 15E Section:
Latitude: <u>N32 32 22</u> Longitude: <u>W110 47 01</u> Elevation (ft): <u>4200</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District:Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead Mercury Zinc Other Ag
Status of Operation:
Past Producer 🔏 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground A Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) - 🙏 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
cid Froducing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Oolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 4 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) / Quarry _ Placer _ Building _ Machinery _
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) .\(\(\infty\)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
<u> </u>
Size of Feature (ft)

Length ___ x Width ___ x Height ___

These are priority sites.
These sites should be examined

in order of rank after category A is dealt with.
These sites may not need to be

examined.

WATER

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream M Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\triangle \mathcal{J}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) Ω
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/π) $\not \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $_X$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) \underline{N}

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. ZB = Status (Table E-2). 7.2C = Type (Table E-3). 7.2D = Size (Table E-4). 1 E = Milling Method (Table E-5). Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
Human Hazard (HH):
<pre> 7A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). / E = Milling Method (Table E-5). /.8F = Access (Table 9). </pre>
1 HH = A x B x C x D x E x F = 36.3
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

The category for this site is A.

Category A: Category B:

Category C:

EH between 7 and 20

EH > 20

EH < 7

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

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Management Unit: Santa Catalina - Rincon
Primary Name: Old Manding
Alternate Name: Dom Pedro
MASDB MILS Table Sequence number: <u>COUGEL OYO</u>
Date of Report: 12/31/96 Sample number(s): 5C/60-56162
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 165 Section: 20
Latitude: <u>N 32 33 06</u> Longitude: <u>W 110 43 38</u> Elevation (ft): <u>4980</u>
7.5' or 15' Quadrangle Map Name: Camps Bonito Scale: Z400
Mining or Mineral District: <u>Grad</u> @
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _ Mercury λ Zinc _ Other A_U
Status of Operation:
Past Producer 💢 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground $ ilde{\downarrow}$ Surface and Underground $ ot X$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \angle Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🔏 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone \(\frac{1}{2} \) Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)!
Large Pit (> 10 ft) 2 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump X Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other Winzes
Condition of site and/or feature
Does the condition of the feature represent a hazard? (γ/n) Σ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other despohatt_
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (γ/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) M
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \mathcal{L}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER

		OTHE	K	
Are any of t	he followin	g other features p	oresent?:	
Drums or Tan	nks Head	frames Tramway	/s Bags	Scrap Metal
Trestles	Wooden Str	uctures Overhe	ead Cables	Powerlines
Power Substa	ations T	ransformers Cl	nemicals	Other
		HAZARD CALC	ULATIONS	
Environmenta	al Hazard (E	H):		
/₁∠D = 1E =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use the E-2). E-3). E-4). hod (Table E-5). ial: If any indic	cator miner	numn) produced historically number for commodities rals were checked AND , F = 1.2; otherwise F = 1.0
Human Hazard	d (HH):			
/. 2C =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5).		
	nn – n x b	X C X D X B X F -	70	
		PRIOR	ITY	
Sites the gun on e by EH as fo	environmenta	ked for each moun l hazards only.	tain range. Numerical r	. The FS is presently under ranking will, therefore, be
Catego Catego	ory A: ory B:	EH > 20 EH between 7 and	20 The	ese are priority sites. ese sites should be examined order of rank after tegory A is dealt with.
Catego	ory C:	EH < 7	The	ese sites may not need to be amined.

The category for this site is $\underline{\mathcal{B}}$.

 $[\]frac{|\text{Within}|}{|\text{Within}|}$ a table, take only the highest value as the total value for that table.

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Management Unit: Santa Cataling - Rincon
Primary Name: Mary West
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $12/31/93$ Sample number(s): $SC/89-SC/97$
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 16E Section: 30
Latitude: N132 3 56 Longitude: W110 44 34 Elevation (ft): 5500
7.5' or 15' Quadrangle Map Name: Campo Bon iso Scale: 24000
Mining or Mineral District: Orocle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead X Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect χ
Status Unknown
Type of Operation:
Surface _ Underground Δ Surface and Underground X Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

MIIIING MECHOU:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
WIND AND MURIED OF MODERNOO
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit $\frac{\mathcal{L}}{}$ Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) / Quarry _ Placer _ Building _ Machinery _
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n)
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion OtherOther
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) \bigwedge
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) Y
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing X Filled X Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color_Unknown
NA CATANEDA
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\Lambda}'$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site 💆
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER

	•	
Are any of the following	ng other features presen	t?:
Drums or Tanks Head	dframes Tramways	Bags Scrap Metal
Trestles Wooden St	ructures Overhead Ca	bles Powerlines
Power Substations '	Transformers Chemica	ls Other
	HAZARD CALCULATIO	ons
Environmental Hazard (EH):	
or noted in noted. // SB = Status (Tall /, 2C = Type (Tabl. /, 2D = Size (Tabl. /, 2F = Acid poten neutralizi:	n analyses. Use the hig ble E-2). e E-3). e E-4). thod (Table E-5). tial: If any indicator	l column) produced historically hest number for commodities minerals were checked AND sent, F = 1.2; otherwise F = 1.0
Human Hazard (HH):		
/.5B = Status (Ta) /.2C = Type (Tabl /.2D = Size (Tabl /E = Milling Me /.8F = Access (Ta	e E-3). e E-4). thod (Table E-5).	
	PRIORITY	
Sites will be ra the gun on environment by EH as follows:	nked for each mountain r al hazards only. Numeri	ange. The FS is presently under cal ranking will, therefore, be
	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{\}text{\sc Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cata line Rincon
Primary Name: GPP
Alternate Name:
MASDB MILS Table Sequence number: <u>0040210394</u>
Date of Report: $\frac{12/31/93}{3}$ Sample number(s): $\frac{3C/66-5C/73}{3}$
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 16 & Section: 21
Latitude: N32 32 56 Longitude: W10 43 09 Elevation (ft): 4900
7.5' or 15' Quadrangle Map Name: Campo Bonus Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium // Copper Lead // Mercury // Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect $_$ Developed Prospect $\not \prec$
Status Unknown
Type of Operation:
Surface $_$ Underground $_$ Surface and Underground X Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 3 Decline Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 3 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (Y/n) N
Mark all conditions that apply:
Open to Entry 🐰 Partly Caved Concealed Partly Concealed
Collapsed X Fartly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) M
Is water being produced from the feature? (y/n) $\underline{\Lambda \prime}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) Δy
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $_X$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a believing < 1/2 mi from the gite (V/n) N

GARTO

Other
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /.5B = Status (Table E-2). /.2C = Type (Table E-3). /.2D = Size (Table E-4). / E = Milling Method (Table E-5). / 2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0</pre> 'EH = A x B x C x D x E x F = \(\subseteq \s
Human Hazard (HH):
9 A = Commodity (Table E-1, Human column). 7.5B = Status (Table E-2). 7.2C = Type (Table E-3). 7.2D = Size (Table E-4). 8 = Milling Method (Table E-5). 7.8F = Access (Table 9). 1
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examined

in order of rank after
category A is dealt with.
These sites may not need to be
examined.

The category for this site is β .

category C:

EH < 7

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Kincon
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/43 Sample number(8): 5C205-5C211
LOCATION DATA
State: A2 County: Pinal Township: 105 Range: 165 Section: 33
Latitude: N32 30 57 Longitude: W 110 42 42 Elevation (ft): 500
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead _X Mercury _X zinc X Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect X
Status Unknown
Type of Operation:
Surface Underground Surface and Underground _X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite Galena _X Marcasite Sphalerite _X
yrite Pyrrhotite Stibnite Other sulfide Limonite _X
ther FeOx X
Seutralizing Host Rock:
olomite Limestone Marble Micrite Sparite
other Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
dit \perp Decline Shaft \perp Glory Hole Small Pit or Trench (< 10 ft) \leq
arge Pit (> 10 ft) _5 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) 🔀
Mark all conditions that apply:
Open to Entry 🗶 Partly Caved 🗴 Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other shalf
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) D_{ij}
Is water being produced from the feature? (y/n) h
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \underline{N} /
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site 💢
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) \swarrow

OTHER

Are any of	the followin	g other feat	ures present	?:
Drums or Ta	nks Head	frames T	ramways	Bags Scrap Metal
Trestles	Wooden Str	uctures	Overhead Cab	les Powerlines
Power Subst	ations T	ransformers	Chemical	s Other
		HAZARI	CALCULATION	NS .
Environment	al Hazard (E	H):		
(A = /,5B = /,2C = /,2D =	or noted in noted. Status (Tab	analyses. le E-2). E-3).		column) produced historically est number for commodities
1 E =	Milling Met	hod (Table E	-5).	
1-2F =	Acid potent			<pre>inerals were checked AND ent, F = 1.2; otherwise F = 1.0</pre>
	$^{1}EH = A \times B$	x C x D x E	x F = 1516	
Human Hazar	d (HH):			
1.2C =	Status (Tab Type (Table Size (Table Milling Met	le E-2). E-3). E-4). hod (Table E	uman column)	
	$^{1}HH = A \times B$	x C x D x E	x F = <u>35.0</u>	
			PRIORITY	
Sites the gun on by EH as fo	environmenta	ked for each l hazards on	mountain ra ly. Numeric	nge. The FS is presently under al ranking will, therefore, be
Categ Categ	ory A: ory B:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined

Category B: EH between 7 and Category C: EH < 7

These are priority sites.
These sites should be examined
in order of rank after
category A is dealt with.
These sites may not need to be
examined.

The category for this site is β .

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Kincon
Primary Name: American Flag
Alternate Name: Bear Cat
MASDB MILS Table Sequence number: <u>004021 0108</u>
Date of Report: 12/3//93
LOCATION DATA
State: Az County: Ping Township: 10 S Range: 16 E Section: 08
Latitude: N 32 34 41 Longitude: W 110 43 /9 Elevation (ft): 4/20
7.5' or 15' Quadrangle Map Name: rompo Bonido scale: 24000
Mining or Mineral District: Orocle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect _ Developed Prospect X
Status Unknown
Type of Operation:
Surface Underground Surface and Underground 💢 Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{M}}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\triangle J$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) M
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (v/n) Y

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- 6A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.
- /.5B = Status (Table E-2).
- 1.2C = Type (Table E-3).
- J.2C = Type (Table E-3).
 J.2D = Size (Table E-4).
 (E = Milling Method (Table E-5).
 J.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 1.2F =

'EH = A x B x C x D x E x F = 15.6

Human Hazard (HH):

- 9 A = Commodity (Table E-1, Human column).// Status (Table E-2).
- 1.2C = Type (Table E-3)
- /.ZD = Size (Table E-4).
- (E = Milling Method (Table E-5). /.8F = Access (Table 9).

HH = A x B x C x D x E x F = 35.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20

Category B: EH between 7 and 20

in order of rank after

Category C: EH < 7 category A is dealt with. These sites may not need to be examined.

These are priority sites.
These sites should be examined

The category for this site is $\underline{\beta}$.

 $^{{}^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina Rincon
Primary Name: Copper Cliff
Alternate Name:
MASDB MILS Table Sequence number: 0040210256
Date of Report: 12/31/93 Sample number(s): SC139, SC140
LOCATION DATA
state: Az County: Pinal Township: 10 S Range: 16 E Section: 17
Latitude: N32 33 46 Longitude: W110 44 02 Elevation (ft): 4760
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper X Lead X Mercury X Zinc Other Ag
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect X
Status Unknown
There of Occupations
Type of Operation:
Surface Underground _X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)
•

HISTORICAL DATA (con't)

filling Method:
malgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill K Unknown
cid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry _X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ___

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \checkmark
Is water being produced from the feature? (y/n) ${ extstyle 1}{ extstyle V}$
If water is present, how does it occur?:
Standing X Filled _ Partly Filled X Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
other color_unknown_
MACHINERY
Is machinery present at the site? (y/n) M
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
explosives
Are any explosives or blasting supplies found on the site? (y/n) ΔU
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site 🖈
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) Y

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		OTHER						
Are any of t	he following	other features p	resent?:					
Drums or Tar	nks Headf:	rames Tramway	Bags S	crap Metal				
		ctures Overhe						
		ansformers Ch						
HAZARD CALCULATIONS								
Environment	al Hazard (EH):						
6A = /-5B = /-2C =	Commodity (T or noted in noted. Status (Tabl Type (Table Size (Table Milling Meth Acid potenti neutralizing	able E-1, Environ analyses. Use the E-2). E-3). E-4). od (Table E-5). al: If any indications of the second controls of the second controls are not the second control controls are not the second cont	ator minerals we t present, F = .	produced historically for commodities ere checked AND 1.2; otherwise F = 1.0				
	$^{1}EH = A \times B$	x C x D x E x F =	<u>15.6</u>					
Human Hazar								
1.2C =	Status (Table Type (Table Size (Table Milling Met)	E-3). E-4). nod (Table E-5).	olumn).					
		x C x D x E x F =	<u>35.0</u>					
		PRIOR	ſΨΥ					
				re is presently under				
Sites the gun on by EH as fo	environmenta	ked for each moun l hazards only.	ain range. The Numerical rankin	FS is presently under g will, therefore, be				
Cate: Cate:	gory A: gory B:	EH > 20 EH between 7 and	20 These si in order	e priority sites. tes should be examined of rank after A is dealt with.				
cate	gory C:	EH < 7	These si	ites may not need to be				

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\!\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling Rincon
Primary Name: Unnumed adits
Alternate Name:
MASDE MILS Table Sequence number:
Date of Report: 12/3/43 Sample number(8): 5c/44-5c/56
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 16 Section: 17
Latitude: N32 33 36 Longitude: W110 44 06 Elevation (ft): 5000
7.5' or 15' Quadrangle Map Name: Compo Bonto Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium X Copper Lead X Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect X
Status Unknown
Type of Operation:
Surface Underground \(\times \) Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to \$00,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide _X Limonite _X
Other FeOx -X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 3 Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
other open stope
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \nearrow
Mark all conditions that apply:
Open to Entry X. Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation _ Prone to Wind Erosion _ Other stope, flouded
Size of Feature (ft)
Length x Width x Height

WATER					
Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$					
Please mark with an X all that apply:					
Stream River Pond Intermittent Stream Lake Bay					
Other					
Is water present at the feature? (y/n) Y					
Is water being produced from the feature? (y/n) M					
If water is present, how does it occur?:					
Standing X Filled Partly Filled X Flowing Intermittent					
If water is present, what color is it?:					
Brown Green Yellow Yellow/orange Orange Gray/black					
Other color <u>untnoum</u>					
MACHINERY					
Is machinery present at the site? (y/n) M					
Location of Machinery:					
Inside Building Outside Building No Building, Other Location					
Type of Machinery:					
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill					
Amalgamation Equipment Arrastre Ore Bins Tanks Other					
inargumation agarpment intrastre ore arms rains					
EXPLOSIVES					
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$					
If present, give type and location					
ACCESS					
Access is by:					
Maintained Road 4WD Road to < 1/2 mi of site 💢					
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country					
There is a habitation < $1/2$ mi from the site (y/n)					

			OTHER				
Are any of	the followin	g other fea	atures present	7:			
Drums or Ta	Drums or Tanks Headframes Tramways Bags Scrap Metal						
Trestles _	Wooden Str	uctures	Overhead Cab	les Powerlines			
Power Subst	ations T	ransformer	Chemical	sOther			
HAZARD CALCULATIONS							
Environment	al Hazard (E	H):					
6 A = 1.5 B = 1.2 C = 1.2 D = 1 E = 1.2 F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. le E-2). E-3). E-4). hod (Table ial: If an	Use the high E-5). ny indicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0			
Human Hazar	d (HH):						
9 A = (.5B = (.2C = /.2D = /.2E = /.8F =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	le E-2). E-3). E-4). hod (Table le 9).	_				
	'HH = A x B	xCxDx	Exf = <u>35</u> .0	,			
PRIORITY							
Sites the gun on by EH as fo	environmenta	ked for ead l hazards d	ch mountain ra only. Numeric	nge. The FS is presently under al ranking will, therefore, be			
	ory A: ory B:		n 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.			
Category C:		EH < 7		These sites may not need to be examined.			

The category for this site is $\underline{\mathcal{B}}$.

 $^{{}^{}l}\!\underline{Within}$ a table, take only the highest value as the total value for that table.

Gravity __ Crusher only __ Heap Leach __

AML INVENTORY AND INVESTIGATION DATA ENTRY FORM US Bureau of Mines - IFOC

Management Unit: Santa Catalina - Rincon
Primary Name: Burney Group
Alternate Name:
MASDB MILS Table Sequence number: OO4G210796
Date of Report: 12/31/93 Sample number(s): SC 41.3C46
LOCATION DATA
State: Az County: Pinal Township: 10 S Range: 156 Section: 22
Latitude: N32 33 23 Longitude: W110 47 46 Elevation (ft): 3920
7.5' or 15' Quadrangle Map Name: Oracle 3E Scale: 24000
Mining or Mineral District: Borney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium X Copper Lead X Mercury Zinc X Other
Status of Operation:
Past Producer X Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground $ ot X ot$ Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Stamp __ Flotation __ Leach ___ CIP __ Cyanidation __ Jig Plant __ Retort ___ No Mill X Unknown ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena X Marcasite __ Sphalerite __ Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone X Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit $\underline{\mathcal{A}}$ Decline __ Shaft $\underline{\mathcal{X}}$ Glory Hole __ Small Pit or Trench (< 10 ft) $\underline{\mathcal{X}}$ Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other open stopes

Does the condition of the feature represent a hazard? (y/n) Y

Open to Entry X Partly Caved __ Concealed __ Partly Concealed __

Length ___ x Width ___ x Height ___

Collapsed Partly Collapsed Standing Empty Rotten Cribbing Unstable Wall Eroded Partly Eroded Intact Subsided Foundation Prone to Wind Erosion Other Shafts, stopes

HISTORICAL DATA (con't)

Arrastre __

Milling Method:

Amalgamation ___

Condition of site and/or feature

Mark all conditions that apply:

Size of Feature (ft)

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) Y
Is water being produced from the feature? (y/n) $\underline{\mathcal{M}}$
If water is present, how does it occur?:
Standing X Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color <u>un mawn</u>
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) ΔZ
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER			
Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
5A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. 2B = Status (Table E-2). 1-2C = Type (Table E-3). 1-2D = Size (Table E-4). 1F = Milling Method (Table E-5). 1F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0			
Human Hazard (HH):			
8A = Commodity (Table E-1, Human column). 2B = Status (Table E-2). 1.2C = Type (Table E-3). 1.2D = Size (Table E-4). 1 E = Milling Method (Table E-5). 1.8F = Access (Table 9). 'HH = A x B x C x D x E x F = 41.5			
HH = A X B X C X D X E X F = <u>\(\frac{1}{2} \).</u>			
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:			

These are priority sites.
These sites should be examined in order of rank after category A is dealt with. Category A: Category B: EH > 20 EH between 7 and 20 These sites may not need to be examined. Category C: EH < 7

The category for this site is 3.

 $^{{}^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Kincon
Primary Name: Burney Group
Alternate Name:
MASDB MILS Table Sequence number: 0040210208
Date of Report: 12/31/93 Sample number(s): Sc 39
LOCATION DATA
State: Az County: Dinal Township: 108 Range: 16 5 Section: 22
Latitude: N 32 33 13 Longitude: W 110 47 42 Elevation (ft): 4020
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24008
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead _X Mercury X zinc X Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect _ Developed Prospect $ ot \chi $
Status Unknown
Type of Operation:
Surface Underground _X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🐰 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \swarrow
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Ionath y Width x Height

Are bodies of water found on or near the site? $(y/n) \perp y$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/π) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $ widtharpoons$

OTHER

Are any of	the followi	ng other fe	atures present	?:	
Drums or Ta	Drums or Tanks Headframes Tramways Bags Scrap Metal				
Trestles _	_ Wooden St	ructures _	Overhead Cab	les Powerlines	
Power Subst	tations	Transformer	S _ Chemical	s Other	
		HAZA	RD CALCULATION	NS	
Environmen	tal Hazard (EH):			
(.5B = 1.2C = 1.2C = 1.2	or noted in noted. Status (Tatus (Tatus (Table Size (Table Milling Me Acid poter neutralizi	n analyses. ble E-2). e E-3). e E-4). thod (Table tial: If any hos rocke	Use the high E-5). ny indicator m	column) produced historically est number for commodities $inerals \ \ were \ \ checked \ \ AND \\ ent, \ \ F = 1.2; \ \ otherwise \ \ F = 1.0$	
Human Haza:	rd (HH):				
/.7C = /.7D = /E =	Commodity Status (Ta Type (Tabl Size (Tabl Milling Me Access (Ta	e E-3). e E-4). thod (Table	Human column)		
¹ HH = A x B x C x D x E x F = <u>35.0</u>					
			PRIORITY		
	environment			nge. The FS is presently under al ranking will, therefore, be	
Cate Cate	gory A: gory B:	EH > 20 EH between	n 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.	
Cate	gory C:	EH < 7		These sites may not need to be examined.	

The category for this site is $\underline{\mathbb{3}}$.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincom
Primary Name: Sugna del Oro
Alternate Name:
MASDB MILS Table Sequence number: <u>CO4 02 (0800</u>
Date of Report: 12/31/93 sample number(s): SC112 SC113
LOCATION DATA
State: A2 County: Pinal Township: 10 S Range: 16 E Section: 17
Latitude: N323354 Longitude: W1104349 Elevation (ft): 4740
7.5' or 15' Quadrangle Map Name: Campo Bonito scale: 24000
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) <u>5</u> Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$

Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) M
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
To more present at the cite? (V/n) N/
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \nearrow

• OTHER

Are any of the following other features present?:				
Drums or Tar	Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles	Wooden Str	uctures Ov	erhead Cab	les Powerlines
Power Substa	Power Substations Transformers Chemicals Other			
	HAZARD CALCULATIONS			
Environmenta	al Hazard (E	H):		
6 A = //2B = //2C = //2D = //E = //2F =	or noted in noted. Status (Table Type (Table Size (Table Milling Met Acid potent	analyses. Us le E-2). E-3). E-4). hod (Table E-5 ial: If any i	e the high). ndicator m	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times B$	x C x D x E x	F = 12.4	
Human Hazaro	i (HH):			
9 A = Commodity (Table E-1, Human column). 1.2B = Status (Table E-2). 1.2C = Type (Table E-3). 1.2D = Size (Table E-4). 1E = Milling Method (Table E-5). 1.8F = Access (Table 9). 1HH = A x B x C x D x E x F = 28.0				
	PRIORITY			
Sites the gun on e by EH as fol	environmenta	ked for each m l hazards only	ountain ra . Numeric	nge. The FS is presently under al ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{1}\}underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: unnamed adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC/42, 6C/43
LOCATION DATA
State: Az County: Ping Township: 10 S Range: 16 E Section: 17
Latitude: N323334 Longitude: W11044 05 Elevation (ft): 4890
7.5' or 15' Quadrangle Map Name: Campo Bonito scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead _\(\frac{1}{2} \) Mercury \(\frac{1}{2} \) Zinc Other
Status of Operation:
Past Producer Explored Prospect _X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{\hspace{0.2cm}}$
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

HISTORICAL DATA (con't) Milling Method: Gravity __ Crusher only __ Heap Leach __ Arrastre __ Amalgamation ___ CIP __ Cyanidation __ Stamp __ Flotation __ Leach __ No Mill X Unknown ___ Jig Plant ___ Retort ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite X Galena X Marcasite __ Sphalerite __ Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx ___ Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit _ Decline _ Shaft _ Glory Hole _ Small Pit or Trench (< 10 ft) _ Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other _____ Condition of site and/or feature Does the condition of the feature represent a hazard? $(y/n) \rightarrow$ Mark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation __ Prone to Wind Erosion __ Other flooded ___

Length ___ x Width ___ x Height ____

Size of Feature (ft)

Stream __ River __ Pond __ Intermittent Stream __ Lake __ Bay __

Are bodies of water found on or near the site? (y/n) \triangle

Please mark with an X all that apply:

4WD Road > 1/2 mi from site ___ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site $(y/n) \rightarrow$

		OTHER		
Are any of t	Are any of the following other features present?:			
Drums or Tax	Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles	Wooden Stru	octures Overhe	ad Cables	Powerlines
	Power Substations Transformers Chemicals Other			
		HAZARD CALCU	LATIONS	
Environment	al Hazard (E	H):		
ζA =	Commodity (? or noted in noted.	Table E-1, Environ analyses. Use th	mental colum e highest nu	n) produced historically mber for commodities
1.2 _B =	$1.2_{\rm B} = {\rm Status}$ (Table E-2).			
1.2D =	Size (Table	E-4).		
<pre>/E = Milling Method (Table E-5). /2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.4</pre>				
	$^{1}EH = A \times B \times C \times D \times E \times F = 12.4$			
Human Hazar	d (HH):			
9 A =	Commodity (Table E-1, Human	olumn).	
1.2C =	1.2B = Status (Table E-2). 1.2C = Type (Table E-3).			
/ E =	ZD = Size (Table E-4). E = Milling Method (Table E-5).			
/.8F = Access (Table 9).				
1 HH = A x B x C x D x E x F = 28.0				
		PRIOR	TTY	
Sites the gun on by EH as fo	environmenta	nked for each mount al hazards only. I	ain range. Numerical ran	The FS is presently under thing will, therefore, be
-		EH > 20	These	are priority sites.
Cate	gory A: gory B:	EH between 7 and	20 These	e sites should be examined der of rank after gory A is dealt with.
		EU / 7	These	sites may not need to be

examined.

The category for this site is <u>B</u>.

Category C:

EH < 7

Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Kincon
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): \$\&\text{SC}114-\$\text{SC}118
LOCATION DATA
State: Az County: Ping! Township: 105 Range: 16 E Section: 68
Latitude: 32 34 32 Longitude: (<u>1110 43 52</u> Elevation (ft): <u>4640</u>
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $\underline{\mathcal{X}}$ Small to Medium (10,000 to 250,000 st) $\underline{\hspace{0.4cm}}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't) Milling Method: Amalgamation ___ Arrastre ___ Gravity __ Crusher only __ Heap Leach __ Leach CIP __ Cyanidation __ Stamp __ Flotation __ Jig Plant ___ Retort ___ No Mill X Unknown ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite X Pyrrhotite __ Stibnite __ Other sulfide __ Limonite X Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) __ Large Pit (> 10 ft) 2 Quarry _ Placer _ Building _ Machinery _ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other ____ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) NMark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation __ Prone to Wind Erosion __ Other ___

Length ____ x Width ___ x Height ____

Size of Feature (ft)

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\triangle \!$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
W GUYYURV
MACHINERY
Is machinery present at the site? (y/n) M
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER

Are any of	the following	ng other feature	s present?	?;
Drums or Ta	nks Head	iframes Tram	ways E	Bags Scrap Metal
Trestles	Wooden St	ructures Ove	rhead Cabl	les Powerlines
Power Subst	ations 7	Transformers	Chemicals	Other
		HAZARD CA	LCULATION	S
Environment	al Hazard (I	SH):		
GA = 1. Z _B = 1. 2c = 1. z _D = 1. E = 1. Z _F =	or noted in noted. Status (Tak Type (Table Size (Table Milling Met Acid potent neutralizin	n analyses. Use ple E-2). e E-3). e E-4). thod (Table E-5) tial: If any inc	the highe	column) produced historically est number for commodities nerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar	d (HH):			
9 A = 1.2B = 1.2C = 1.2D = 1 E = 1.8F =	Status (Tak Type (Table Size (Table Milling Met Access (Tak	e E-3). a E-4). thod (Table E-5) ble 9).		
	'HH = A x B	xCxDxExF	' = <u>28.0</u>	
		PRIC	ORITY	
Sites the gun on by EH as fo	environmenta	aked for each mou	untain ran Numerica	ge. The FS is presently under l ranking will, therefore, be
		EH > 20 EH between 7 ar		These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is β .

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Little Hill
Alternate Name: Solding
MASDB MILS Table Sequence number: 0040210618
Date of Report: 12/31/93 Sample number(s): SC 53-5C60
LOCATION DATA
State: A2 County: Pinal Township: 105 Range: 15 E Section: 23
Latitude: N32 32 35 Longitude: W 110 47 11 Elevation (ft): 4200
7.5' or 15' Quadrangle Map Name: Gracle SE Scale: 24600
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium _ Copper _ Lead X Mercury X Zinc _ Other Ag.
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 📈 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx 🙏
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 5 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) 2
Large Pit (> 10 ft) Z Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Winze
Size of Feature (ft)
w Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) Δt
Is water being produced from the feature? (y/n) $\triangle J$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \triangle
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Hill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) M
If present, give type and location
100000
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) N

OTHER

Are any of t	he followin	g other features	present	?:
Drums or Tan	iks Head	frames Tramw	аув	Bags Scrap Metal
Trestles	Wooden Str	uctures Over	head Cab	les Powerlines
Power Substa	tions T	ransformers	Chemical	s Other
		HAZARD CAL	CULATION	ıs
Environments	l Hazard (E	H):		
1.2B = 1.2C = 1.2D = 1 E = 1.2F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent	analyses. Use file E-2). E-3). E-4). hod (Table E-5). ial: If any ind	the high	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	$^{1}EH = A \times B$	x C x D x E x F	= 12.4	
Human Hazard	(HH):			
/.2B = /.2C = /.2D = / E =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E-3). E-4). hod (Table E-5). le 9).		
	$^{1}HH = A \times B$	x C x D x E x F	= 48.0	
		PRIO	RITY	
Sites the gun on e by EH as fol	nvironmenta	ked for each mou l hazards only.	ntain ra Numeric	nge. The FS is presently under al ranking will, therefore, be
Catego Catego	ory A: ory B:	EH > 20 EH between 7 and	d 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Catego	ory C:	EH < 7		These sites may not need to be examined.

The category for this site is 8.

 $^{^{\}text{l}}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SCS
LOCATION DATA
State: Az County: Ping/ Township: 10.5 Range: 15E Section: 22
Latitude: 32 32 55 Longitude: W 110 47 59 Elevation (ft): 4520
7.5' or 15' Quadrangle Map Name: Orocle SE Scale: 24000
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't) Milling Method: Amalgamation ___ Arrastre __ Gravity __ Crusher only __ Heap Leach __ CIP __ Cyanidation __ Stamp ___ Flotation ___ Leach __ No Mill X Unknown ___ Jig Plant ___ Retort ___ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite __ Other FeOx X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) & Large Pit (> 10 ft) __ Quarry __ Placer __ Building __ Machinery __ Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad __ Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other ___ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) \nearrow Mark all conditions that apply: Open to Entry X Partly Caved __ Concealed __ Partly Concealed __ Collapsed __ Partly Collapsed __ Standing __ Empty __ Rotten Cribbing __ Unstable Wall __ Eroded __ Partly Eroded __ Intact __ Subsided __ Foundation __ Prone to Wind Erosion __ Other ___

Length ____ x Width ___ x Height ____

Size of Feature (ft)

Wie podies of water found on of hear the site. (1/11) W
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (γ/n) N
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Analysis of San
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\mbox{\em M}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) V

W

(J

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OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- &A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities
- ! Table E-2).
- 1.2C =
- 1.2C = Type (Table E-3).
 1.2D = Size (Table E-4).
 1.E = Milling Method (Table E-5).
 1.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

¹EH = A x B x C x D x E x F = 12.4

Human Hazard (HH):

- 9A = Commodity (Table E-1, Human column).
- Status (Table E-2).
- 1.2C = Type (Table E-3).
- 1.2D = Size (Table E-3).
 1.E = Milling Method (Table E-5).
 1.SF = Access (Table 9).

'HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

These are priority sites.
These sites should be examined EH > 20 Category A: EH between 7 and 20 Category B: in order of rank after category A is dealt with. EH < 7 These sites may not need to be Category C: examined.

The category for this site is B.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed Workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12 31/93 Sample number(s): SC 70 - SC 79
LOCATION DATA
State: Az County: Ping Township: 105 Range: 15 E Section: 23
Latitude: <u>N 32 33 0</u> 0 Longitude: <u>W 110 47 </u> Elevation (ft): <u>4200</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Borney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper X Lead X Mercury X Zinc Other Ag
Status of Operation:
Past Producer Explored Prospect _X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

illing Method:
malgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill 📈 Unknown
cid Producing or Indicating Minerals:
rsenopyrite Chalcopyrite X Galena Marcasite Sphalerite
yrite Pyrrhotite Stibnite Other sulfide X Limonite X
ther FeOx
eutralizing Host Rock:
olomite Limestone Marble Micrite Sparite
ther Carbonate
TYPE AND NUMBER OF WORKINGS
indicate with an X or 1, 2, etc.)
dit _2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _3
arge Pit (> 10 ft) 9 Quarry Placer Building Machinery
Sistern Solution Mining Well Mine Dump 🔏 Mill Tailings
each Pad Highwall Solution Pond Ore Stockpile 3 Subsidence
other
condition of site and/or feature ones the condition of the feature represent a hazard? $(y/n) N$
Mark all conditions that apply: Open to Entry X. Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Connection Prone to write Broszon
Size of Feature (ft)
Length $\underline{\hspace{1cm}}$ x Width $\underline{\hspace{1cm}}$ x Height $\underline{\hspace{1cm}}$

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (γ/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \swarrow
If present, give type and location
ACCIDEC
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X

4WD Road > 1/2 mi from site __ Trail or undrivable Road __ Cross-country __

There is a habitation < 1/2 mi from the site (y/n) N

```
OTHER
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other _____
                             HAZARD CALCULATIONS
Environmental Hazard (EH):
    (A = Commodity (Table E-1, Environmental column) produced historically
           or noted in analyses. Use the highest number for commodities
           noted.
           Status (Table E-2).
   1.2C = Type (Table E-3).
   (.2D = Size (Table E-4).
    TE = Milling Method (Table E-5).
           Acid potential: If any indicator minerals were checked AND
           neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
           <sup>1</sup>EH = A x B x C x D x E x F = 12.4
Human Hazard (HH):
           Commodity (Table E-1, Human column).
    1.2B = Status (Table E-2).
   1.2c = Type (Table E-3).
   /.2D = Size (Table E-4).
    |E = Milling Method (Table E-5).
   1.8F = Access (Table 9).
           1HH = A x B x C x D x E x F = 28.0
                                  PRIORITY
      Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be
by EH as follows:
                       EH > 20
      Category A:
                                               These are priority sites.
```

EH between 7 and 20 Category B: These sites should be examined in order of rank after category A is dealt with. These sites may not need to be Category C: EH < 7 examined.

The category for this site is _______.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Page 1/4

Management Unit: Santa Catalina - Rincon
Primary Name: Joe Claim #1
Alternate Name:
MASDB MILS Table Sequence number: 0040210966
Date of Report: 12/31/93 sample number(s): SC/10 SC/11
LOCATION DATA
State: Az County: Pinal Township: 108 Range: 16 & Section: 17
Latitude: N32 34 06 Longitude: W10 44 07 Elevation (ft): 4880
7.5' or 15' Quadrangle Map Name: Campo Bornito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect 🔏 Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface 💢 Underground _ Surface and Underground _ Mineral Location _
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 3 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) _N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) $\underline{\nabla}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\underline{\Lambda}\!\!/$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N_{x}
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n)

		OT	CHER
Are any of	the followi	ng other features	s present?:
Drums or Ta	inks Hea	dframes Tramv	ways Bags Scrap Metal
Trestles _	Wooden St	ructures Ove	rhead Cables Powerlines
Power Subst	ations	Transformers	Chemicals Other
		HAZARD CA	LCULATIONS
Environment	al Hazard (EH):	
6A = /.2B = /.2C = /.2D = /E = /.2F =	or noted in noted. Status (Tallype (Table Size (Table Milling Me Acid poten)	n analyses. Use ble E-2). e E-3). e E-4). thod (Table E-5). tial: If any inc	ronmental column) produced historically the highest number for commodities dicator minerals were checked AND not present, F = 1.2; otherwise F = 1.6
Human Hazar		S X C X D X E X F	' = <u>12.4</u>
9A = /.2B =	Commodity Status (Ta) Type (Table Size (Table Milling Me	e E-3). e E-4). thod (Table E-5).	,
•	HH = A x B	X C X D X E X F	' = <u>Z8 · 0</u>
		PRIC	DRITY
	environment		untain range. The FS is presently under Numerical ranking will, therefore, be
	ory A: ory B:	EH > 20 EH between 7 ar	in order of rank after
Categ	ory C:	EH < 7	category A is dealt with. These sites may not need to be

The category for this site is $\underline{\mathcal{B}}$.

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC134, SC135
LOCATION DATA
State: A2 County: Pingl A Township: 105 Range: 16E Section: 18
Latitude: N32 33 37 Longitude: W110 45 10 Elevation (ft): 5320
7.5' or 15' Quadrangle Map Name: Oracle Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X _ Zinc Other
Status of Operation:
Past Producer Explored Prospect \(\Lambda \) Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft _L Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 3 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Σ
Mark all conditions that apply:
Open to Entry _X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of siteX
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \sqrt{y}

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other

HAZARD CALCULATIONS

Environmental Hazard (EH):

- Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted.

- /.2B = Status (Table E-2).

 /.2C = Type (Table E-3).

 /.2D = Size (Table E-4).

 /.2F = Milling Method (Table E-5).

 /.2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

1EH = A x B x C x D x E x F = 12.4

Human Hazard (HE):

- 9A = Commodity (Table E-1, Human column). .2B = Status (Table E-2). .2C = Type (Table E-3). .2D = Size (Table E-4).

- IE = Milling Method (Table E-5).
- /.8F = Access (Table 9).

'HH = A x B x C x D x E x F = 28.0

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	category A is dealt with. These sites may not need to be examined.

The category for this site is B.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Saata Cataling - Kincon
Primary Name: Unnamed workings
Alternate Name:
MASDE MILS Table Sequence number:
Date of Report: 12131/93 Sample number(s): SC/58 SC/59
LOCATION DATA
State: A County: Pinal Township: 105 Range: 16£ Section: 20
Latitude: N32 33 21 Longitude: WHO 43 48 Elevation (ft): 4970
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium 🔏 Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🔏 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 💢 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena _X Marcasite Sphalerite
Pyrite χ Pyrrhotite Stibnite Other sulfide Limonite χ
Other FeOx 🔏
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft 2 Glory Hole Small Pit or Trench (< 10 ft) 1
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Σ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Shaffs
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\underline{\mathcal{M}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
PYLTOSIATO
Are any explosives or blasting supplies found on the site? (γ/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < $1/2$ mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n)

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal ___
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ____
```

HAZARD CALCULATIONS

Environmental Hazard (EH):

5 A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities 1.5B =Status (Table E-2).

Type (Table E-3). Size (Table E-4). 1.20 =

1, 2 D =

Milling Method (Table E-5).
Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 | F =

'EH = A x B x C x D x E x F = 10.8

Human Hazard (HH):

 \mathcal{E}_{A} = Commodity (Table E-1, Human column).

/.5B =Status (Table E-2).

1.2C = Type (Table E-3)./, 2D = Size (Table E-4).

, E = Milling Method (Table E-5).

Access (Table 9).

 1 HH = A x B x C x D x E x F = $\frac{17.3}{}$

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 Category B:

These are priority sites. EH between 7 and 20

These sites should be examined in order of rank after category A is dealt with. These sites may not need to be

Category C:

Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Cate ling - Rincon
Primary Name: Golden Contact
Alternate Name: Old Rocket
MASDB MILS Table Sequence number: <u>0040210399</u>
Date of Report: 12/31/93 Sample number(s): SC/24
LOCATION DATA
State: Az County: Pinal Township: 103 Range: 16E Section: 9
Latitude: N323420 Longitude: W104306 Elevation (ft): 4480
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24006
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect _K Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) 🗶 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) ΔJ
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Total Prints and Holast

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\not \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) AL
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road X 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site $(y/n) Y$

OTHER

Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
,
HAZARD CALCULATIONS

Environmental Hazard (EH):

GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities

1.2B = Status (Table E-2).

/ 2C = Type (Table E-2) / 2D = Size (Table E-4)

|E = Milling Method (Table E-5). |F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0

'EH = A x B x C x D x E x F = 10.4

Human Hazard (HH):

9A = Commodity (Table E-1, Human column).

/.2B = Status (Table E-2).

1.2C = Type (Table E-3).

1.2D = Size (Table E-4).

|E = Milling Method (Table E-5).

2F = Access (Table 9).

'HH = A x B x C x D x E x F = 3/1

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

EH > 20 Category A: EH between 7 and 20 Category B:

EH < 7

These are priority sites. These sites should be examined in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

Category C:

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincorn
Primary Name: Unnamed adit
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): Sc 225- Sc227
LOCATION DATA
State: A2 County: Pimo Township: 11S Range: 16E Section: 16
Latitude: <u>N32 28 33</u> Longitude: <u>W 10 43 32</u> Elevation (ft): <u>5560</u>
7.5' or 15' Quadrangle Map Name: Mount Bigelow Scale: 24000
Mining or Mineral District: Marble Peak
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury *\mathcal{X} zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect \nearrow Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit l Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) ΔJ
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\triangle \mathcal{N}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) M
Is water being produced from the feature? (y/n) Δy
If water is present, how does it occur?:
Standing Filled Fartly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
us auxumpty
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road χ 4WD Road to < 1/2 mi of site x
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\frac{3}{2}$

		OTHER	
Are any of	the followin	g other features p	resent?:
Drums or Ta	nks _ Head	frames Tramway	Bags Scrap Metal
Trestles	Wooden Str	uctures Overhea	ad Cables Powerlines
Power Subst	ations T	ransformers Ch	emicals Other
		HAZARD CALCU	LATIONS
Environment	al Hazard (E	H):	
1-2D =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. Use the le E-2). E-3). E-4). hod (Table E-5). ial: If any indica g hos rocks are no	nental column) produced historically highest number for commodities attor minerals were checked AND present, F = 1.2; otherwise F = 1.0
	¹ EH = A x B	x C x D x E x F =	19 70.4
Human Hazar	d (HH):		
/.2D = /E = +===================================	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-5).	olumn).
2.	HH = A x B	x C x D x E x F =	20-21.1
		PRIORI;	rv
the gun on by EH as fo	environmenta	l hazards only. N	ain range. The FS is presently under
Categ Categ	ory A: ory B:	EH > 20 EH between 7 and 3	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	ory C:	EH < 7	These sites may not need to be examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{{}^{\}mid}\!\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Kincon
Primary Name: <u>Unnamed</u> adit
Alternate Name:
MASDB HILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC /8C-SC(88
LOCATION DATA
State: Az County: Pingl Township: 105 Range: 16 E Section: 30
Latitude: N32 32 20 Longitude: W110 44 38 Elevation (ft): 5440
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale:
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect X Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface $_$ Underground X Surface and Underground $_$ Mineral Location $_$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st) $_$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx _X
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length $\underline{\hspace{1cm}}$ x Width $\underline{\hspace{1cm}}$ x Height $\underline{\hspace{1cm}}$

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
WA CHANDAY
MACHINERY
Is machinery present at the site? (y/n) $ \underline{\mathcal{N}} $
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \Delta V$
If present, give type and location
ACCESS
Access is by:
Maintained Road _ 4WD Road to < 1/2 mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) \cancel{N}

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ____
                          HAZARD CALCULATIONS
Environmental Hazard (EH):
    noted.
   /. 2B =
          Status (Table E-2).
  1.2C =
          Type (Table E-3).
  /.zD = Size (Table E-4).
(E = Milling Method (Table E-5).
    ) F =
          Acid potential: If any indicator minerals were checked AND
          neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
          'EH = A x B x C x D x E x F = /0.4
Human Hazard (HH):
          Commodity (Table E-1, Human column).
   1.2B =
          Status (Table E-2).
          Type (Table E-3).
   /.2C =
  1.2D =
          Size (Table E-4).
          Milling Method (Table E-5).
    /E =
  /.8F =
          Access (Table 9).
```

PRIORITY

¹HH = A x B x C x D x E x F = <u>28.0</u>

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category A: EH > 20 These are priority sites.

Category B: EH between 7 and 20 These sites should be examined in order of rank after category A is dealt with.

Category C: EH < 7 These sites may not need to be examined.

The category for this site is <u>B</u>.

 $^{^{\}rm l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon		
Primary Name: Unnumed adit		
Alternate Name:		
MASDB MILS Table Sequence number:		
Date of Report: 12/3/93 Sample number(s): SC 201, Sc 202		
LOCATION DATA		
State: A2 County: Pinal Township: 105 Range: 16 E Section: 22		
Latitude: N32 3/4/ Longitude: W//0 42 39 Elevation (ft): 50/0		
7.5' or 15' Quadrangle Map Name: Compo Bonito Scale: 24000		
Mining or Mineral District: Oracle		
HISTORICAL DATA		
Please mark with an X all that apply.		
Elements produced and/or noted in geochemical analyses:		
Arsenic Cadmium Copper Lead Mercury X Zinc Other		
Status of Operation:		
Past Producer Explored Prospect X Raw Prospect Developed Prospect		
Status Unknown		
Type of Operation:		
Surface Underground X Surface and Underground Mineral Location		
Placer Prospect Dredging Processing Plant Well Unknown		
No Data		
Size based on production of ore to date:		
Small (0 to 10,000 st) 🔏 Small to Medium (10,000 to 250,000 st)		
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)		
Large (over 1,000,000 st)		

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🙏 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or hear the site? (y/h) 10
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
VI ARTYWYY
MACHINERY
Is machinery present at the site? $(y/n) \Delta /$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) λ
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) \bigvee

OTHER

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			OTHER		
Are any of the following other features present?:					
Drums or Tank	s Headi	frames 3	Tramways E	Bags Scrap Metal	
Trestles	Wooden Stru	ctures	Overhead Cabl	es Powerlines	
Power Substat	ions Ti	ransformers	Chemicals	Other	
	HAZARD CALCULATIONS				
Environmental	Hazard (El	i):			
/ 2B = S / 2C = T / 2D = S / E = M F = M	or noted in noted. Status (Table Ype (Table Lize (Table Killing Method potential poten	analyses. le E-2). E-3). E-4). nod (Table) ial: If any hos rocks	Use the higher than the best of the best o	column) produced historically est number for commodities nerals were checked AND ent, F = 1.2; otherwise F = 1.0	
•;	$EH = A \times B$	xCxDxE	x F = 10.4		
Human Hazard	(HH):				
<pre>9A = Commodity (Table E-1, Human column). (.2B = Status (Table E-2). (.2C = Type (Table E-3). (.2D = Size (Table E-4). (</pre>					
			PRIORITY		
Sites w the gun on er by EH as foll	vironmenta:	ked for eac l hazards o	h mountain ran nly. Numerica	nge. The FS is presently under al ranking will, therefore, be	
Categor Categor		EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.	
Categor	cy C:	EH < 7		These sites may not need to be examined.	

The category for this site is ${\cal B}$.

 $^{^{1}\}underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Ringon		
Primary Name: Unnamed workings		
Alternate Name:		
MASDB MILS Table Sequence number:		
Date of Report: 1231/93 Sample number(s): SC163		
LOCATION DATA		
State: A2 County: Ping! Township: 105 Range: 16E Section: 20		
Latitude: N32 33 67 Longitude: W16 43 23 Elevation (ft): 4770		
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000		
Mining or Mineral District: Oracle		
HISTORICAL DATA		
Please mark with an X all that apply.		
Elements produced and/or noted in geochemical analyses:		
Arsenic Cadmium X Copper Lead Mercury X zinc Other		
Status of Operation:		
Past Producer Explored Prospect _X Raw Prospect Developed Prospect		
Status Unknown		
Type of Operation:		
Surface Underground Surface and Underground A Mineral Location		
Placer Prospect Dredging Processing Plant Well Unknown		
No Data		
Size based on production of ore to date:		
Small (0 to 10,000 st) 🙏 Small to Medium (10,000 to 250,000 st)		
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)		
Large (over 1,000,000 st)		

Milling Method:		
Amalgamation Arrastre Gravity Crusher only Heap Leach		
Leach CIP Cyanidation Stamp Flotation		
Jig Plant Retort No Mill X Unknown		
Acid Producing or Indicating Minerals:		
Arsenopyrite Chalcopyrite Galena _A Marcasite Sphalerite		
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite		
Other FeOx		
Neutralizing Host Rock:		
Dolomite Limestone X Marble Micrite Sparite		
Other Carbonate		
TYPE AND NUMBER OF WORKINGS		
(indicate with an X or 1, 2, etc.)		
Adit Decline Shaft _/ Glory Hole Small Pit or Trench (< 10 ft)		
Large Pit (> 10 ft) Quarry Placer Building Machinery		
Cistern Solution Mining Well Mine Dump Mill Tailings		
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence		
Other		
Condition of site and/or feature		
Does the condition of the feature represent a hazard? (y/n)		
Mark all conditions that apply:		
Open to Entry X Partly Caved Concealed Partly Concealed		
Collapsed Partly Collapsed Standing Empty Rotten Cribbing		
Unstable Wall Eroded Partly Eroded Intact Subsided		
Foundation Prone to Wind Erosion Other deep shaft		
Size of Feature (ft)		
Total Weight		

Are bodies of water found on or near the site? (y/n) \bigvee			
please mark with an X all that apply:			
Stream River Pond Intermittent Stream Lake Bay			
Other			
Is water present at the feature? (y/n)			
Is water being produced from the feature? (γ/n) Δ			
If water is present, how does it occur?:			
Standing Filled Partly Filled Flowing Intermittent			
If water is present, what color is it?:			
Brown Green Yellow Yellow/orange Orange Gray/black			
Other color			
us graviany			
MACHINERY			
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$			
Location of Machinery:			
Inside Building Outside Building No Building, Other Location			
Type of Machinery:			
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill			
Amalgamation Equipment Arrastre Ore Bins Tanks Other			
EXPLOSIVES			
Are any explosives or blasting supplies found on the site? (y/n) \triangle /			
If present, give type and location			
ACCESS			
Access is by:			
Maintained Road _ 4WD Road to < 1/2 mi of site χ			
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country			
There is a habitation < $1/2$ mi from the site (y/n) \triangle /			

OTHER			
Are any of the following other features present?:			
Drums or Tanks Headframes Tramways Bags Scrap Metal			
Trestles Wooden Structures Overhead Cables Powerlines			
Power Substations Transformers Chemicals Other			
HAZARD CALCULATIONS			
Environmental Hazard (EH):			
<pre> GA = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /_2B = Status (Table E-2). /_2C = Type (Table E-3). /_2D = Size (Table E-4). /_E = Milling Method (Table E-5). /_F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 'EH = A x B x C x D x E x F = 10.44 </pre>			
Human Hazard (HH):			
<pre>9 A = Commodity (Table E-1, Human column). /,ZB = Status (Table E-2). /,ZC = Type (Table E-3). /,ZD = Size (Table E-4). /,E = Milling Method (Table E-5). /,&F = Access (Table 9).</pre>			
'HH = A x B x C x D x E x F = <u>28.0</u>			
PRIORITY			
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be			

by EH as follows:

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be Category A: Category B: EH > 20 EH between 7 and 20 Category C: EH < 7 examined.

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{}l}\underline{\text{Mithin}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cotalina - Rincon		
Primary Name: Golden Earth & vicinity		
Alternate Name:		
MASDB MILS Table Sequence number: 0040210402		
Date of Report: 12/31/93 Sample number(s): SC 125-9c128		
LOCATION DATA		
State: Az County: Ping Township: 105 Range: 16E Section: 16		
Latitude: N3234 N2 Longitude: W110 4238 Elevation (ft): 4400		
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24006		
Mining or Mineral District: Oracle		
HISTORICAL DATA		
Please mark with an X all that apply.		
Elements produced and/or noted in geochemical analyses:		
Arsenic Cadmium Copper Lead Mercury X Zinc Other		
Status of Operation:		
Past Producer _ Explored Prospect _ Raw Prospect A Developed Prospect _		
Status Unknown		
Type of Operation:		
Surface X Underground Surface and Underground Mineral Location		
Placer Prospect X Dredging Processing Plant Well Unknown		
No Data		
Size based on production of ore to date:		
Small (0 to 10,000 st) $\underline{\chi}$ Small to Medium (10,000 to 250,000 st) $\underline{}$		
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)		
Large (over 1,000,000 st)		

Gravity __ Crusher only __ Heap Leach __ Arrastre __ Amalgamation ___ CIP __ Cyanidation __ Stamp __ Flotation __ Leach No Mill X Unknown ___ Retort __ Jig Plant __ Acid Producing or Indicating Minerals: Arsenopyrite __ Chalcopyrite __ Galena __ Marcasite __ Sphalerite __ Pyrite __ Pyrrhotite __ Stibnite __ Other sulfide __ Limonite _X Other FeOx _X Neutralizing Host Rock: Dolomite __ Limestone __ Marble __ Micrite __ Sparite __ Other Carbonate ___ TYPE AND NUMBER OF WORKINGS (indicate with an X or 1, 2, etc.) Adit __ Decline __ Shaft __ Glory Hole __ Small Pit or Trench (< 10 ft) X Large Pit (> 10 ft) X Quarry Placer Building Machinery Cistern __ Solution Mining Well __ Mine Dump __ Mill Tailings __ Leach Pad Highwall __ Solution Pond __ Ore Stockpile __ Subsidence __ Other ____ Condition of site and/or feature Does the condition of the feature represent a hazard? (y/n) Δy Mark all conditions that apply:

Open to Entry __ Partly Caved __ Concealed __ Partly Concealed __

Length ____ x Width ___ x Height ____

Collapsed Partly Collapsed Standing Empty Rotten Cribbing Unstable Wall Eroded Partly Eroded Intact Subsided Foundation Prone to Wind Erosion Other

HISTORICAL DATA (con't)

Milling Method:

Size of Feature (ft)

Are bodies of water found on or near the site? (y/n) $\underline{\Lambda} V$				
Please mark with an X all that apply:				
Stream River Pond Intermittent Stream Lake Bay				
Other				
Is water present at the feature? (y/n) N				
Is water being produced from the feature? (y/n) N				
If water is present, how does it occur?:				
Standing Filled Partly Filled Flowing Intermittent				
If water is present, what color is it?:				
Brown Green Yellow Yellow/orange Orange Gray/black				
Other color				
MACHINERY				
Is machinery present at the site? (y/n) Δy				
Location of Machinery:				
Inside Building Outside Building No Building, Other Location				
Type of Machinery:				
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill				
Amalgamation Equipment Arrastre Ore Bins Tanks Other				
EXPLOSIVES				
Are any explosives or blasting supplies found on the site? (y/n) Δf				
If present, give type and location				
ACCESS				
Access is by:				
Maintained Road \angle 4WD Road to < 1/2 mi of site				
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country				
There is a habitation $< 1/2$ mi from the site (y/n) \forall				

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Designation of the Control of the Co
Environmental Hazard (EH):
G A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. B = Status (Table E-2). .2C = Type (Table E-3). .2D = Size (Table E-4). E = Milling Method (Table E-5). .2F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0 EH = A x B x C x D x E x F = 10.4
ER - A X B X C X B X F - ID. 1
Human Hazard (HH):
9A = Commodity (Table E-1, Human column). 1B = Status (Table E-2). 1.2c = Type (Table E-3). 1.2b = Size (Table E-4). 1 E = Milling Method (Table E-5). 2F = Access (Table 9).
¹ HH = A x B x C x D x E x F = <u>26.9</u>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be

Category A: Category B:		These are priority sites. These sites should be examined in order of rank after
Category C:	EH < 7	<pre>category A is dealt with. These sites may not need to be examined.</pre>

The category for this site is $\underline{\mathcal{B}}$.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Rivern
Primary Name: Unnamed adita
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $\frac{12}{31}\frac{93}{93}$ Sample number(s): $\frac{5C}{98}\frac{99}{5C}\frac{99}{99}$
LOCATION DATA
State: A2 County: Ping! Township: 105 Range: 16E Section: 3/
Latitude: N 32 31 37 Longitude: W110 44 39 Elevation (ft): 6100
7.5' or 15' Quadrangle Map Name: Cama Bonito Scale:
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead X Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown 💢
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 💢 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit 2 Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
a state of the and for forture
Condition of site and/or feature Does the condition of the feature represent a hazard? $(y/n) \Delta $
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed X Partly Collapsed _ Standing _ Empty _ Rotten Cribbing _
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \Delta /$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) h
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\overline{\mathbb{N}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) $\hbar \mathcal{N}$

OTHER

Are any of	the following	g other featur	es present?	?;	
Drums or Ta	nks Head:	frames Tra	ımways H	Bags Scrap Metal	
Trestles	Wooden Str	uctures Ov	erhead Cabl	les Powerlines	
Power Subst	ations T	ransformers _	_ Chemicals	Other	
		HAZARD	CALCULATION	s	
Environment	al Hazard (El	H):			
6 A = 1 B = 1.2 C = 1.2 D = 1 E = 1.2 F =	or noted in noted. Status (Table Size (Table Milling Methal	analyses. Us le E-2). E-3). E-4). hod (Table E-5 ial: If any i	se the highe	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.	
	$^{1}EH = A \times B$	x C x D x E x	F = 10.4		
Human Hazar	d (HH):				
J.2D =	Status (Tab: Type (Table Size (Table	E-3). E-4). nod (Table E-5			
	$^{t}HH = A \times B$	x C x D x E x	F = 23.3		
		77	TODIMY		
		PI	RIORITY		
	environmenta:			nge. The FS is presently unde al ranking will, therefore, be	
		EH > 20 EH between 7	and 20	These are priority sites. These sites should be examine in order of rank after category A is dealt with.	d
Categ	ory C:	EH < 7		These sites may not need to b	е

examined.

The category for this site is 3.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Rincon
Primary Name: Unnamed workings
Alternate Name:
MASDE MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC 84 SC 86
LOCATION DATA
State: A2 County: Pinal Township: 105 Range: 15E Section: 14
Latitude: W 32 34 18 Longitude: W 110 47 2 Elevation (ft): 4200
7.5' or 15' Quadrangle Map Name: Orecle SE Scale: 24000
Mining or Mineral District: Little Hills
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location X
Placer Prospect _X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\stackrel{\textstyle {\cal N}}{}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) \searrow
Is water being produced from the feature? (y/n)
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \(\infty \)
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \underline{N} /
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) M

OTHER

			Oldek	
Are any of th	e following	g other fea	tures present	?:
Drums or Tank	s Headi	frames _	Tramways	Bags Scrap Metal
Trestles	Wooden Stru	uctures	Overhead Cab	les Powerlines
Power Substat	ions Tr	ransformers	Chemical:	s Other
		HAZAF	RD CALCULATION	rs
Environmental	Hazard (El	f):		
1.\$B = S 1.2C = T 1.2D = S 1E = M 1.7F = A	or noted in toted. Table (Table (Table (Table (Table (Table (Illing Method (Illing (analyses. le E-2). E-3). E-4). nod (Table ial: If an	Use the higher than the second	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
	-	-	-	
-1	EH = A x B	xcxbxE	x F = 153	76.4
Human Hazard	(HH):			
/. 18B = S /.7C = T /.2D = S /E = M	commodity (Tatus (Tab) Tatus (Table Type (Table Tize (Table Tilling Met)	le E-2). E-3). E-4). nod (Table :	Human column)	
14	HH = A x B	xCxDxE	x F = 2850	23.3
			PRIORITY	
	vironmental			nge. The FS is presently under al ranking will, therefore, be
Categor	ŷB:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categor	y C:	EH < 7		These sites may not need to be examined.

The category for this site is B.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC17
LOCATION DATA
State: A2 County: Pinol Township: 105 Range: 15E Section: 22
Latitude: N323248 Longitude: W104739 Elevation (ft): 4830
7.5' or 15' Quadrangle Map Name: Orocle SE Scale: 24000
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect X Developed Prospect _
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect _X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)
·

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 🗶 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx _X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) 🗶
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) Y
Please mark with an X all that apply:
Stream River Pond Intermittent Stream X Lake Bay
Other
Is water present at the feature? (y/n) \underline{V}
Is water being produced from the feature? (γ/π) $ abla$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) Δt
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) \underline{V}

OTHER

Are any	of t	he followin	g other featu	res present?	?:
Drums c	r Tan	ks Head	frames Tr	amways H	Bags Scrap Metal
Trestle	es	Wooden Str	uctures C	overhead Cab	Les Powerlines
Power S	Substa	tions T	ransformers _	Chemicals	Other
			HAZARD	CALCULATION	s
Environ	menta	l Hazard (E	H):		
1.20	3 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 = 2 =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. U le E-2). E-3). E-4). hod (Table E- ial: If any	-5). indicator miare not prese	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human H	lazard	(HH):			
1-50 1-50 1-50	3 = 2 = 3 = 5 =	Status (Tab Type (Table Size (Table	E-3). E-4). hod (Table E-		
		$^{1}HH = A \times B$	x C x D x E	x F = 23.3	
			_		
				RIORITY	
the gun by EH a	on e	nvironmenta	ked for each l hazards onl	mountain ran Ly. Numerica	nge. The FS is presently under al ranking will, therefore, be
		ory A: ory B:	EH > 20 EH between 7	7 and 20	These are priority sites. These sites should be examined in order of rank after
c	Catego	ory C:	EH < 7		category A is dealt with. These sites may not need to be

The category for this site is 13.

 $[\]frac{Within}{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Langmed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/96 Sample number(s): 7229
LOCATION DATA
State: Az County: Pima Township: 118 Range: 16 5 Section: 16
Latitude: N32 28 34 Longitude: W110 43 17 Elevation (ft): 54/0
7.5' or 15' Quadrangle Map Name: Mount Bigelou: Scale: 24000
Mining or Mineral District: Marble Peak
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury \(\frac{1}{2} \) Zinc Other
Status of Operation:
Past Producer _ Explored Prospect _ Raw Prospect _ Developed Prospect _
Status Unknown
Type of Operation:
Surface 🔏 Underground Surface and Underground Mineral Location
Placer _ Prospect 1 Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) \underline{X} Small to Medium (10,000 to 250,000 st) $\underline{\hspace{0.5cm}}$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _3
Large Pit (> 10 ft) 2 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \(\Delta \)
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)

Length ___ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{M}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
VI ANTIDRY
MACHINERY
Is machinery present at the site? (y/n) M
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \Delta \chi$
If present, give type and location
ACCESS
Access is by:
Maintained Road X 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) _Y

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other _____
```

HAZARD CALCULATIONS

Environmental Hazard (EH):

⟨A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. Status (Table E-2).

/.2C = Type (Table E-3).

| ZD = Size (Table E-4). | E = Milling Method (Table E-5).

Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F=1.2; otherwise F=1.0

'EH = A x B x C x D x E x F = _8.6

Human Hazard (HH):

Commodity (Table E-1, Human column).

1 B = Status (Table E-2).

1.2C =Type (Table E-3). 1.2C =Size (Table E-4).

j. 20 = /E = Milling Method (Table E-5). ZF = Access (Table 9).

 I HH = A x B x C x D x E x F = 25.9

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

These are priority sites. EH > 20 Category A: These sites should be examined EH between 7 and 20 Category B: in order of rank after EH < 7

Category C:

category A is dealt with. These sites may not need to be examined.

The category for this site is <u>G</u>.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Rincon
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/43 Sample number(s): 3c 2/6 -3c 223
LOCATION DATA
State: Az County: Pina Township: 115 Range: 166 Section: 18
Latitude: N32 28 53 Longitude: W10 45 28 Elevation (ft): 6100
7.5' or 15' Quadrangle Map Name: Mt-Lemmon Scale: 24000
Mining or Mineral District: Marble Peak
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper X Lead X Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 🗶 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide _X Limonite
Other FeOx X
55.157 155.1 A
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit \(\sum_\) Decline \(\sum_\) Shaft \(\frac{2}{2} \) Glory Hole \(\sum_\) Small Pit or Trench (< 10 ft) \(\sum_\)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) Y
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other Shaffs, winter
Size of Feature (ft)
Length x Width x Height
nengen x miden x neight

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be examined.

WATER

Page 3/4

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) Y
Is water being produced from the feature? (y/n) N
If water is present, how does it occur?:
Standing X Filled _ Partly Filled _ Flowing _ Intermittent _
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color <u>unknown</u>
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\Delta \mathcal{L}$
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site $(v/n) h$

are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Metal
restles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>5A = Commodity (Table E-1, Environmental column) produced historically</pre>
Human Hazard (HH):
<pre>8A = Commodity (Table E-1, Human column). /*2B = Status (Table E-2). /*2C = Type (Table E-3). /*2D = Size (Table E-4). E = Milling Method (Table E-5). /*8F = Access (Table 9). 'HH = A x B x C x D x E x F = 24.9</pre>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently unde the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

OTHER

The category for this site is ______.

Category A: Category B:

Category C:

EH between 7 and 20

EH > 20

EH < 7

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Sanda Cataling - Rincon
Primary Name: <u>Unnouncel</u> outerap
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/3/93 Sample number(s): SC/8/
LOCATION DATA
State: A2 County: Pinc. Township: 10.5 Range: 16 & Section: 30
Latitude: N32 32 19 Longitude: W10 44 54 Elevation (ft): 5720
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground Mineral Location $ all$
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill 📐 Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Gine of Weeking (ft)
Size of Feature (ft)
Length $_$ x Width $_$ x Height $_$.

Are bodies of water found on or near the site? (y/n) N
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{M}}$
Is water being produced from the feature? (y/n) $\underline{\mathcal{N}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) ✓
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
Amargamacion Equipment Arrastre Ore Bins Tunko Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
Accuse
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) M

OTHER

```
Are any of the following other features present?:
Drums or Tanks __ Headframes __ Tramways __ Bags __ Scrap Metal __
Trestles __ Wooden Structures __ Overhead Cables __ Powerlines __
Power Substations __ Transformers __ Chemicals __ Other ___
                               HAZARD CALCULATIONS
Environmental Hazard (EH):
     6A = Commodity (Table E-1, Environmental column) produced historically
            or noted in analyses. Use the highest number for commodities
            Status (Table E-2).
   /, 2C = Type (Table E-3).
/, 2D = Size (Table E-4).
    1 E =
            Milling Method (Table E-5).
            Acid potential: If any indicator minerals were checked AND
    ) F =
            neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.0
            EH = A x B x C x D x E x F = 8.6
Human Hazard (HH):
            Commodity (Table E-1, Human column).
    B = Status (Table E-2).
   I, ZC = Type (Table E-3).
   /.zD = Size (Table E-4).
|E = Milling Method (Table E-4)
  / ()E = Milling Method (Table E-5).

/ OF = Access (Table 9).
            HH = A x B x C x D x E x F = 23.3
                                    PRIORITY
      Sites will be ranked for each mountain range. The FS is presently under
the gun on environmental hazards only. Numerical ranking will, therefore, be
by EH as follows:
```

Category A: These are priority sites. EH > 20 EH between 7 and 20 Category B: These sites should be examined in order of rank after category A is dealt with. These sites may not need to be EH < 7 Category C: examined.

The category for this site is ______.

^{&#}x27;Within a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/43 Sample number(s): SC 20
LOCATION DATA
State: Az County: Pinal Township: 103 Range: 16 6 Section: 128
Latitude: N32 34 39 Longitude: W110 43 26 Elevation (ft): 4560
7.5' or 15' Quadrangle Map Name: Campo Bonito Scale: 24006
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury 💥 Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect \not Developed Prospect $_$
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) X Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathbf{N}}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Broded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Tarabh in Midhl in Maight

Are bodies of water found on or near the site? (y/n) Δ /
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\underline{\mathbf{M}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EIPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) ₩ y

	OTHER		
Are any of the	following other features present?:		
Drums or Tanks	Headframes Tramways Bags Scrap Metal		
Trestles We	ooden Structures Overhead Cables Powerlines		
Power Substation	Power Substations Transformers Chemicals Other		
	HAZARD CALCULATIONS		
Environmental	Hazard (EH):		
or B = St CC = Ty D = Si E = Mi F = Ac.	mmodity (Table E-1, Environmental column) produced historically noted in analyses. Use the highest number for commodities ted. atus (Table E-2). pe (Table E-3). ze (Table E-4). lling Method (Table E-5). id potential: If any indicator minerals were checked AND stralizing hos rocks are not present, $F = 1.2$; otherwise $F = 1.0$ $F = 1.2$; otherwise $F = 1.0$ $F = 1.2$; otherwise $F = 1.0$		
Human Hazard (1	HH):		
B = Sta -2C = Typ -2D = Si: -E = Mil -SF = Acc	nmodity (Table E-1, Human column). atus (Table E-2). pe (Table E-3). pe (Table E-4). lling Method (Table E-5). pess (Table 9).		

PRIORITY

Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

Category Category		EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined
			in order of rank after category A is dealt with.
Category	C:	EH < 7	These sites may not need to be examined.

The category for this site is β .

 $^{^{}l}\underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed workings
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(8): SC 67, SC 68
LOCATION DATA
State: Az County: Pinal Township: 105 Range: 15E Section: 23
Latitude: <u>N 32 33 07</u> Longitude: <u>W 110 47 22</u> Elevation (ft): <u>4 (60</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Rurney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic _ Cadmium _ Copper _ Lead X Mercury X Zinc X Other Ag
Status of Operation:
Past Producer Explored Prospect Raw Prospect X Developed Prospect
Status Unknown
Type of Operation:
Surface Underground Surface and Underground X Mineral Location
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) X Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena X Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone _X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft _ Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) M
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? $(y/n) \rightarrow$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream _X Lake Bay
Other
Is water present at the feature? (y/n) M
Is water being produced from the feature? (y/n) Δy
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) .N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) N
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site _X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country

There is a habitation < 1/2 mi from the site (y/n) N

		O	CHER	
are any of the	e following	other feature	s present?	·:
rums or Tank	s Headf	rames Tram	ways E	Bags Scrap Metal
restles	Wooden Stru	octures Ove	rhead Cabl	es Powerlines
ower Substat	ions Tr	ansformers	Chemicals	Other
		HAZARD C	ALCULATION	s
Environmental	Hazard (El	I):		
B = S .2C = T .2D = S E = M F = A	r noted in oted. tatus (Table ize (Table illing Metlicid potent: eutralizing	analyses. Use le E-2). E-3). E-4). nod (Table E-5) ial: If any in y hos rocks are	dicator mi	column) produced historically st number for commodities the number for commodities the number of commodities the number of commodities and the number of columns and the numbe
¹ I	EH = A x B	x C x D x E x 1	F = <u>8.6</u>	
Human Hazard	(HH):			
9 A = C 1B = S 1.2C = T 1.2D = S	ommodity (Table E-1, Huma le E-2). E-3). E-4). nod (Table E-5) le 9).	n column).	
1 _F	HH = A x B	x C x D x E x	F = <u>23.3</u>	
			ORITY	
Sites w the gun on en by EH as foll	vironmenta	ked for each mo l hazards only.	ountain rai Numerica	nge. The FS is presently under all ranking will, therefore, be
Categor Categor	y A: y B:	EH > 20 EH between 7 a	and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categor	у С:	EH < 7		These sites may not need to be examined.

The category for this site is B.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santy Cataling - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC157
LOCATION DATA
State: A2 County: Pingl Township: 105 Range: 16 E Section: 17
Latitude: N32 33 26 Longitude: W110 43 52 Elevation (ft): 4940
7.5' or 15' Quadrangle Map Name: Campo Bonito scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury X Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $_$ Raw Prospect X Developed Prospect $_$
Status Unknown
Type of Operation:
Surface X Underground _ Surface and Underground _ Mineral Location _
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx _\
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) X Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other

Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) \triangle
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) $\underline{\Lambda}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \triangle /
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
DWN OCT HEG
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) \mathcal{L}
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation $< 1/2$ mi from the site (y/n) X

OTHER

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Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Hetal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
<pre>(A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. /B = Status (Table E-2). //2C = Type (Table E-3). //2D = Size (Table E-4). //E = Milling Method (Table E-5). //F = Acid potential: If any indicator minerals were checked AND neutralizing hos rocks are not present, F = 1.2; otherwise F = 1.</pre>
1 EH = A x B x C x D x E x F = 8.6
Human Hazard (HH):
<pre>A = Commodity (Table E-1, Human column). B = Status (Table E-2). LC = Type (Table E-3). L2D = Size (Table E-4). E = Milling Method (Table E-5). Access (Table 9).</pre>
1 HH = A x B x C x D x E x F = $\underline{23}$, 3
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:
Category A: EH > 20 These are priority sites. Category B: EH between 7 and 20 These sites should be examine in order of rank after category A is dealt with. Category C: EH < 7 These sites should be examine in order of rank after category A is dealt with.
examined. The category for this site is 3.

Within a table, take only the highest value as the total value for that table.

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Management Unit: Santa Cataling-Ring
Primary Name: Unnamed adid
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC 253
LOCATION DATA
State: Az County: Pima Township: 12S Range: 17 E Section: 23
Latitude: N32 22 44 Longitude: W110 34 /6 Elevation (ft): 3720
7.5' or 15' Quadrangle Map Name: Buehman Canyon Scale: 24000
Mining or Mineral District:
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper 🗶 Lead Mercury zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $\not \perp$ Raw Prospect $_$ Developed Prospect $_$
Status Unknown
Type of Operation:
Surface Underground X Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) 💢 Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

HISTORICAL DATA (con't)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite χ
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone _X Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \(\frac{1}{2} \)
•
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other bad back
Size of Feature (ft)

Length ____ x Width ___ x Height ____

Are bodies of water found on or near the site? (y/n) $\triangle /$
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) ${\underline{\mathcal{M}}}$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) ⚠
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) h
If present, give type and location
It present, give type and losselon
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site χ
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

THER

			OXBBIG		
re any of	the followin	ng other featu	res present	?:	
rums or Ta	nks Head	lframes Tr	amways	Bags Scrap Metal	
restles	Wooden Str	uctures C	Overhead Cab	les Powerlines	
ower Subst	ations T	ransformers _	Chemical	s Other	_
		HAZARD	CALCULATION	is	
nvironment	al Hazard (E	EH):			
5 A = 1.2B = 1.2C = 1.2D = 1 E = 1 F =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent	a analyses. U ple E-2). ple E-3). ple E-4). chod (Table E- cial: If any	Jse the high -5). indicator m	column) produced historic est number for commodities inerals were checked AND ent, F = 1.2; otherwise F	3
	$^{1}EH = A \times B$	x C x D x E	x F = 8.6		
uman Hazar	d (HH):				
/E =	Status (Tab Type (Table Size (Table Milling Met Access (Tab	E E-3). E E-4). hod (Table E- ele 9).	-5).		
	$^{1}HH = A \times B$	x C x D x E	x F = 15.6		
		P	RIORITY		
	environmenta			nge. The FS is presently al ranking will, therefore	
	ory A: ory B:	EH > 20 EH between 7	' and 20	These are priority sites. These sites should be exa in order of rank after category A is dealt with.	mined
Categ	ory C:	EH < 7		These sites may not need	

examined.

The category for this site is B.

 $^{^{}l}\underline{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Cataling - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: 12/31/93 Sample number(s): SC 69
LOCATION DATA
State: A2 County: Pinal Township: 10 5 Range: 15 E Section: 23
Latitude: <u>N 32 32 49</u> Longitude: <u>W 110 47 06</u> Elevation (ft): <u>4240</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Burney
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic X Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer _ Prospect _ Dredging _ Processing Plant _ Well _ Unknown _
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation _
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft) _
Large Pit (> 10 ft) 🗶 Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream _X Lake Bay
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (y/n) $\triangle y$
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? $(y/n) \not ext{DL}$
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) N

OTHER

are any of t	he following	g other feature	es present?	?:
rums or Tan	ks Heads	rames Tran	ways f	Bags Scrap Metal
restles	Wooden Str	octures Ove	rhead Cab	les Powerlines
Power Substa	tions Tr	cansformers	Chemicals	other
		HAZARD C	ALCULATION	s
Environmenta	l Hazard (El	I):		
1.2B = 1.2C = 1.2D = 1.E = 1.F =	or noted in noted. Status (Tab: Type (Table Size (Table Milling Met) Acid potent: neutralizing	analyses. Use le E-2). E-3). E-4). nod (Table E-5) ial: If any ir	the higher	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.
Ruman Hazard	(HH):			
/.2B = }.2C = }.2D = !E =	Status (Tab: Type (Table Size (Table	E-3). E-4). nod (Table E-5)		
	1 HH = A x B	x C x D x E x	F = 21.8	
		PR.	CORITY	
Sites the gun on e by EH as fol	nvironmenta	ked for each mo l hazards only	ountain ra Numerica	nge. The FS is presently unde al ranking will, therefore, be
Catego		EH > 20 EH between 7 a EH < 7	and 20	These are priority sites. These sites should be examine in order of rank after category A is dealt with. These sites may not need to be examined.

The category for this site is $\underline{\mathbb{C}}$.

 $^{^{1}\}underline{\text{Within}}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Silie Rock Gold Hill
Alternate Name: Silica Reet
MASDB MILS Table Sequence number:
Date of Report: 12/3/193 Sample number(s): Sc82, Sc83
LOCATION DATA
State: Az County: Pinal Township: 10 S Range: 15 E Section: 14
Latitude: <u>N 32 33 51</u> Longitude: <u>W 10 47 21</u> Elevation (ft): <u>4400</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Little Hills
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer 💢 Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) $_$ Small to Medium (10,000 to 250,000 st) $ \chi$
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach _
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite Pyrrhotite Stibnite Other sulfide Limonite
Other FeOx X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) Quarry 2 Placer Building Machinery
Cistern Solution Mining Well Mine Dump 🗶 Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) \triangle /
Mark all conditions that apply:
Open to Entry X Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall _ Eroded _ Partly Eroded _ Intact _ Subsided _
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Ionath y Width y Height

Are bodies of water found on or near the site? (y/n) M
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $\underline{\mathcal{N}}$
Is water being produced from the feature? (y/n) Δ /
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) $\underline{\mathcal{N}}$
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) $\underline{\mathcal{N}}$
If present, give type and location
ACCESS
Access is by:
Maintained Road \star 4WD Road to < 1/2 mi of site
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) N

OTHER
Are any of the following other features present?:
Drums or Tanks Headframes Tramways Bags Scrap Hetal
Trestles Wooden Structures Overhead Cables Powerlines
Power Substations Transformers Chemicals Other
HAZARD CALCULATIONS
Environmental Hazard (EH):
A = Commodity (Table E-1, Environmental column) produced historically or noted in analyses. Use the highest number for commodities noted. ZB = Status (Table E-2).
Human Hazard (HH):
<pre>/ A = Commodity (Table E-1, Human column). 2 B = Status (Table E-2). / 2C = Type (Table E-3). / 4D = Size (Table E-4). / E = Milling Method (Table E-5). 2 F = Access (Table 9). 'HH = A x B x C x D x E x F =</pre>
PRIORITY
Sites will be ranked for each mountain range. The FS is presently under the gun on environmental hazards only. Numerical ranking will, therefore, be by EH as follows:

These are priority sites.
These sites should be examined in order of rank after category A is dealt with.
These sites may not need to be EH > 20 Category A: Category B: EH between 7 and 20 Category C: EH < 7 examined.

The category for this site is \underline{C} .

 $[^]t\!\underline{Within}$ a table, take only the highest value as the total value for that table.

sanagement Unit: Santa Cataline Rincon
Primary Name: <u>Unnamed Working</u>
Alternate Name:
MASDB MILS Table Sequence number:
oate of Report: 12 3 / 93 Sample number(s): 5C / 79, 5C / 80
LOCATION DATA
state: Az County: Pingl Township: 103 Range: 16E Section: 30
atitude: <u>N32 32 19</u> Longitude: <u>W110 45 04</u> Elevation (ft): <u>6000</u>
.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Clements produced and/or noted in geochemical analyses:
arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer Explored Prospect Raw Prospect Developed Prospect
Status Unknown
Type of Operation:
Surface X Underground Surface and Underground Mineral Location
Placer Prospect Dredging Processing Plant Well Unknown
O Data
Size based on production of ore to date:
Small (0 to 10,000 st) λ Small to Medium (10,000 to 250,000 st)
Medium (250,000 to 500,000 st) Medium to Large (500,000 to 1,000,000 st)
large (over 1,000,000 st)
·

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill _X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx _X
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) X Quarry Placer Building Machinery
Cistern Solution Mining Well Mine Dump 🍂 Mill Tailings
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) $\underline{\mathcal{N}}$
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
Length x Width x Height

Are bodies of water found on or near the site? (y/n) $\underline{\mathcal{N}}$
Please mark with an X all that apply:
Stream _ River _ Pond _ Intermittent Stream _ Lake _ Bay _
Other
Is water present at the feature? (y/n) N
Is water being produced from the feature? (γ/n) N
If water is present, how does it occur?:
Standing Filled Partly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
MACHINEAL
Is machinery present at the site? (y/n) N
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n)
If present, give type and location
ACCESS
Access is by:
Maintained Road 4WD Road to < 1/2 mi of site X
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < $1/2$ mi from the site (y/n) Λ /

OTHER

			OTHER	
Are any of	the following	g other featu	res present?	?:
Drums or Ta	nks Head	frames Tr	ramways I	Bags Scrap-Metal
Trestles	Wooden Str	uctures (Overhead Cabl	les Powerlines
Power Subst	ations T	ransformers _	Chemicals	g Other
		HAZARD	CALCULATION	s
Environment	al Hazard (E	H):		
/A = /. CB = /. CC = /. CD = /. E = /. CF =	or noted in noted. Status (Tab Type (Table Size (Table Milling Met Acid potent neutralizin	analyses. (le E-2). E-3). E-4). hod (Table E- ial: If any	-5). indicator mare not prese	column) produced historically est number for commodities inerals were checked AND ent, F = 1.2; otherwise F = 1.0
Human Hazar				
/. 2C = /. 2D = /E =	Status (Tab Type (Table Size (Table	le E-2). E-3). E-4). hod (Table E	uman column)	
	$^{1}HH = A \times B$	x C x D x E	x F = 3.1	
		1	PRIORITY	
Sites the gun on by EH as fo	environmenta	ked for each l hazards on	mountain ra ly. Numeric	nge. The FS is presently under al ranking will, therefore, be
Categ Categ	ory A:	EH > 20 EH between	7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Categ	pory C:	EH < 7		These sites may not need to be examined.

The category for this site is $\underline{\hspace{0.2cm}}$.

 $^{^{1}\!\}text{Within}$ a table, take only the highest value as the total value for that table.

Management Unit: Santa Catalina - Rincon
Primary Name: Unnamed working
Alternate Name:
MASDB MILS Table Sequence number:
Date of Report: $\frac{12\sqrt{3}/93}{}$ Sample number(s): $\frac{SC/82}{}$ SC 183
LOCATION DATA
State: Az County: Ping! Township: 105 Range: 166 Section: 30
Latitude: <u>N32 32 28</u> Longitude: <u>W110 45 01</u> Elevation (ft): <u>5300</u>
7.5' or 15' Quadrangle Map Name: Oracle SE Scale: 24000
Mining or Mineral District: Oracle
HISTORICAL DATA
Please mark with an X all that apply.
Elements produced and/or noted in geochemical analyses:
Arsenic Cadmium Copper Lead Mercury Zinc Other
Status of Operation:
Past Producer $_$ Explored Prospect $ ot X$ Raw Prospect $ ot _$ Developed Prospect $ ot _$
Status Unknown
Type of Operation:
Surface X Underground $_$ Surface and Underground $_$ Mineral Location X
Placer Prospect X Dredging Processing Plant Well Unknown
No Data
Size based on production of ore to date:
Small (0 to 10,000 st) χ Small to Medium (10,000 to 250,000 st) $$
Medium (250,000 to 500,000 st) $_$ Medium to Large (500,000 to 1,000,000 st) $_$
Large (over 1,000,000 st)

Milling Method:
Amalgamation Arrastre Gravity Crusher only Heap Leach
Leach CIP Cyanidation Stamp Flotation
Jig Plant Retort No Mill X Unknown
Acid Producing or Indicating Minerals:
Arsenopyrite Chalcopyrite Galena Marcasite Sphalerite
Pyrite X Pyrrhotite Stibnite Other sulfide Limonite X
Other FeOx
Neutralizing Host Rock:
Dolomite Limestone Marble Micrite Sparite
Other Carbonate
TYPE AND NUMBER OF WORKINGS
(indicate with an X or 1, 2, etc.)
Adit Decline Shaft Glory Hole Small Pit or Trench (< 10 ft)
Large Pit (> 10 ft) X Quarry Placer Building Machinery
Cistern _ Solution Mining Well _ Mine Dump X Mill Tailings _
Leach Pad Highwall Solution Pond Ore Stockpile Subsidence
Other
Condition of site and/or feature
Does the condition of the feature represent a hazard? (y/n) N
Mark all conditions that apply:
Open to Entry Partly Caved Concealed Partly Concealed
Collapsed Partly Collapsed Standing Empty Rotten Cribbing
Unstable Wall Eroded Partly Eroded Intact Subsided
Foundation Prone to Wind Erosion Other
Size of Feature (ft)
w Woight

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WATER
Are bodies of water found on or near the mite? (y/n)
Please mark with an X all that apply:
Stream River Pond Intermittent Stream Lake Bay
Other
Is water present at the feature? (y/n) $ \swarrow$
Is water being produced from the feature? (y/n) $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
If water is present, how does it occur?:
Standing Filled Fartly Filled Flowing Intermittent
If water is present, what color is it?:
Brown Green Yellow Yellow/orange Orange Gray/black
Other color
MACHINERY
Is machinery present at the site? (y/n) \overline{U}
Location of Machinery:
Inside Building Outside Building No Building, Other Location
Type of Machinery:
Flotation Cell Retort Stamp Mill Crusher Ball or Rod Mill
Amalgamation Equipment Arrastre Ore Bins Tanks Other
EXPLOSIVES
Are any explosives or blasting supplies found on the site? (y/n) M
If present, give type and location
ACCESS
Access is by:
Maintained Road $_$ 4WD Road to < 1/2 mi of site $\angle\!$
4WD Road > 1/2 mi from site Trail or undrivable Road Cross-country
There is a habitation < 1/2 mi from the site (y/n) N

	OTHER	
Are any of the fo	llowing other features pre	sent?:
Drums or Tanks	Headframes Tramways	Bags Scrap Metal
Trestles Woode	en Structures Overhead	Cables Powerlines
Power Substations	Transformers Chem	icals Other
	HAZARD CALCUL	ATIONS
Environmental Hazz	ard (EH):	
/ A = Common or not noted /.2B = Statu /.2C = Type /.2D = Size /.2F = Acid /.2	dity (Table E-1, Environme ced in analyses. Use the s (Table E-2). (Table E-3). (Table E-4). og Method (Table E-5). potential: If any indicat	ntal column) produced historically highest number for commodities or minerals were checked AND present, F = 1.2; otherwise F = 1.6
Human Hazard (HH)	:	
/_;2B = Status /.2C = Type /.2D = Size _E = Millin /.8F = Access		
1117 -	A X B X C X D X B X I	<u> </u>
	PRIORITY	
		n range. The FS is presently under erical ranking will, therefore, be
Category A: Category B:	EH > 20 EH between 7 and 20	These are priority sites. These sites should be examined in order of rank after category A is dealt with.
Category C:	EH < 7	These sites may not need to be examined.

 $^{{}^{\}mid}\!\underline{Within}$ a table, take only the highest value as the total value for that table.